

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: P852411

Luminaire Tested: **GLAN-SB3C-850-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852411  
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-850-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19069 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

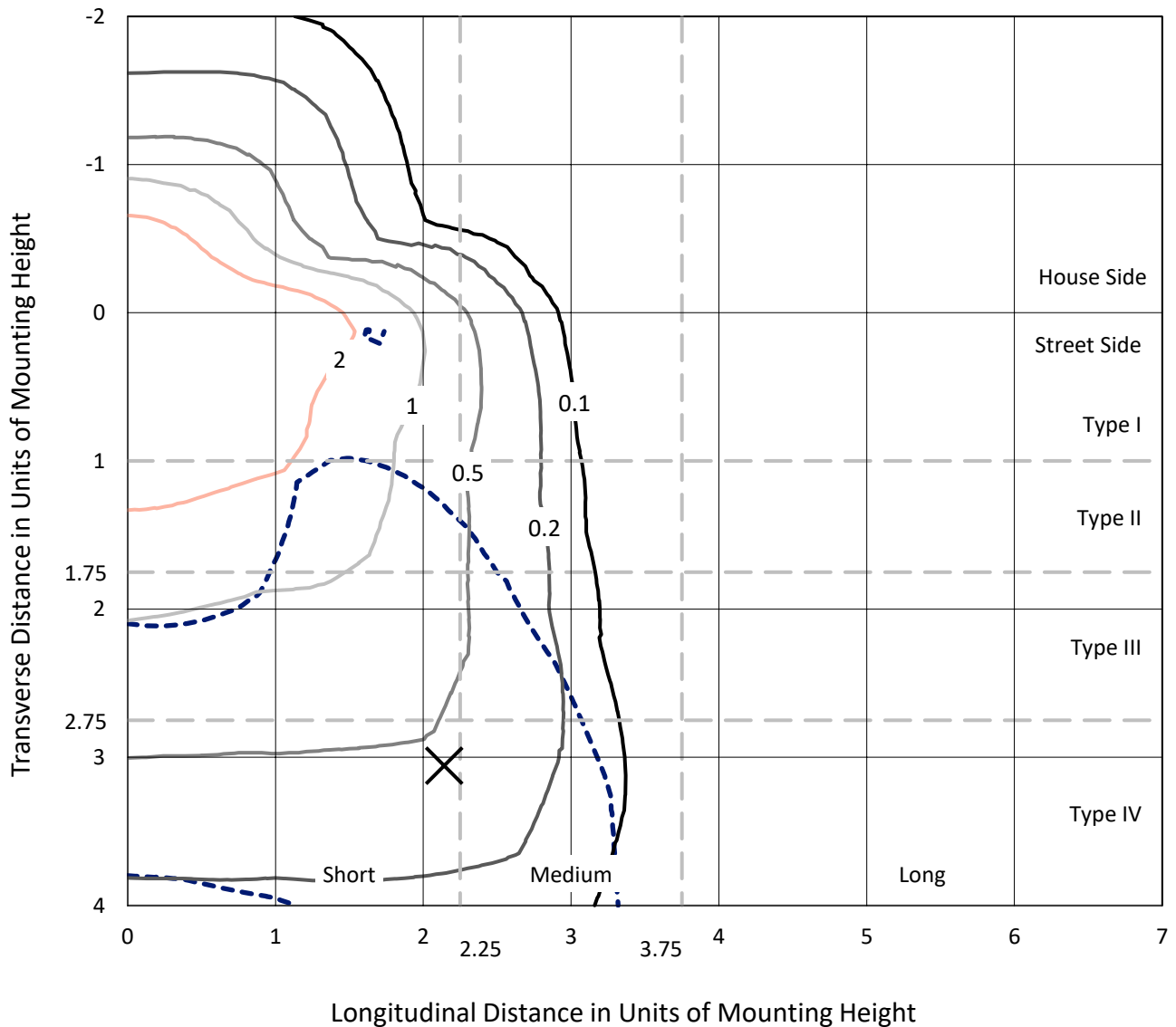
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

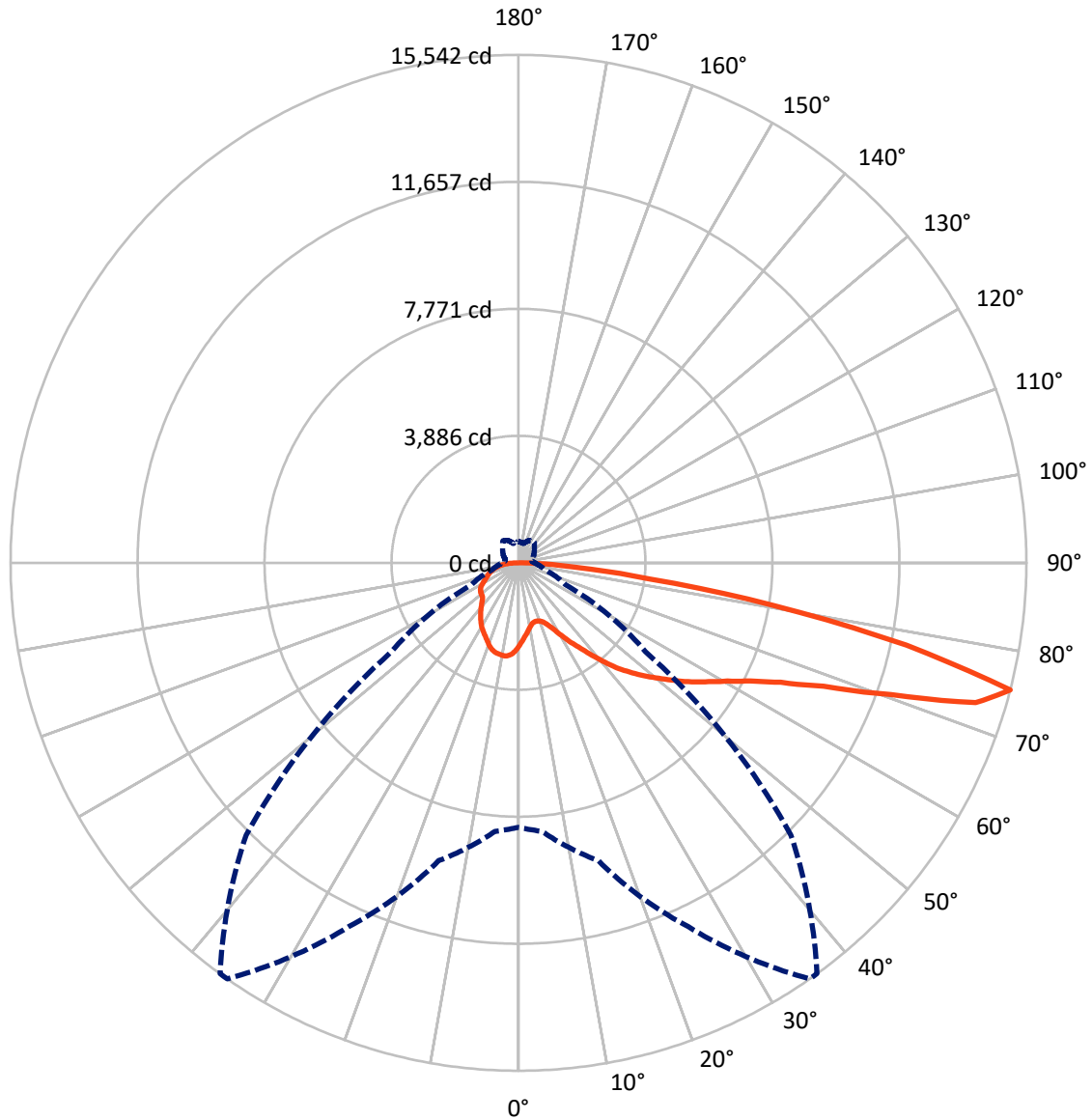
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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
<b>House Side</b>	Lumens	4537.9	0.0	4537.9
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	14531.0	0.0	14531.0
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	19069.0	0.0	19069.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.6	1.3
10°-20°	694.0	3.6
20°-30°	1165.3	6.1
30°-40°	1811.1	9.5
40°-50°	2688.2	14.1
50°-60°	3711.2	19.5
60°-70°	4502.5	23.6
70°-80°	3721.0	19.5
80°-90°	535.2	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°	19069.0	100.0
0°-180°	19069.0	100.0

**Coefficient of Utilization**



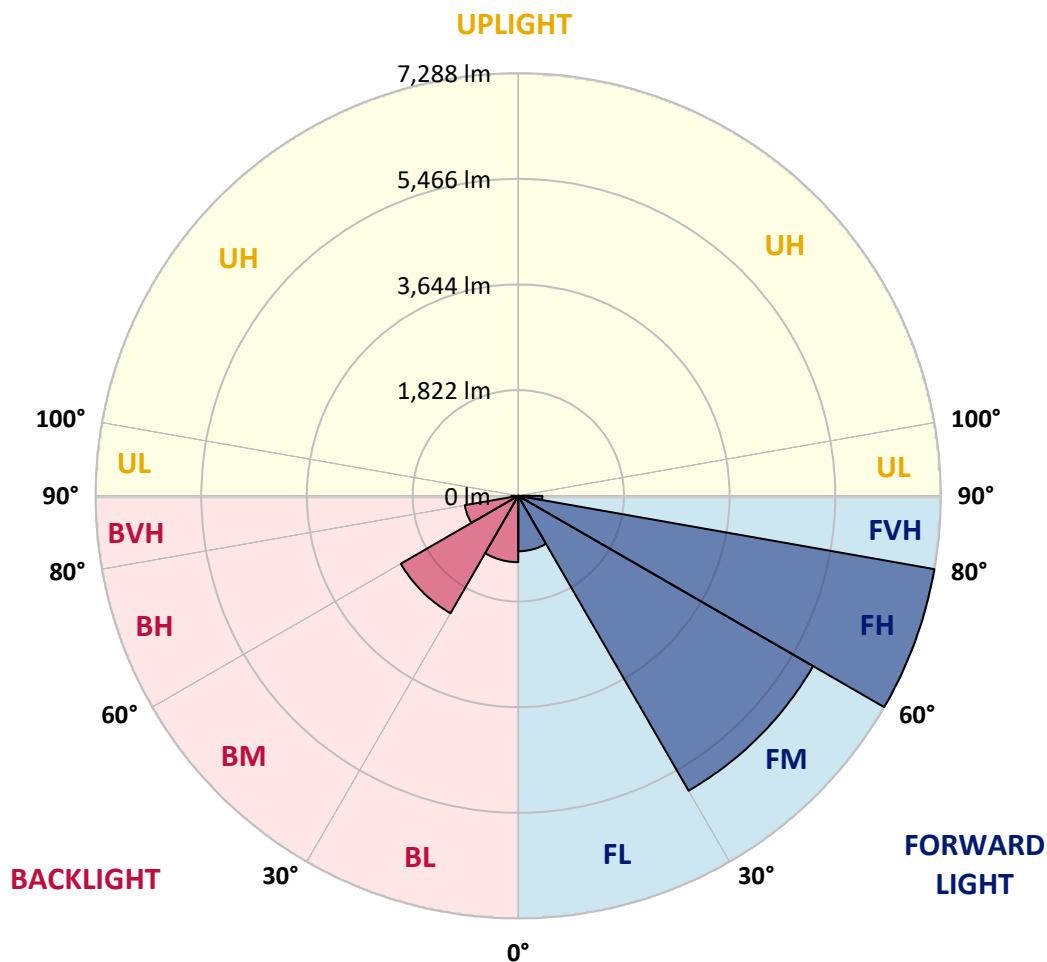
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	956.3	5.0			
FM (30°-60°)	5872.2	30.8			
FH (60°-80°)	7287.9	38.2			G3/7500
FVH (80°-90°)	414.7	2.2			G3/500
BL (0°-30°)	1143.6	6.0	B3/2500		
BM (30°-60°)	2338.2	12.3	B2/2500		
BH (60°-80°)	935.6	4.9	B2/1000		G2/1000
BVH (80°-90°)	120.5	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1
2.5°	2343.1	2357.6	2363.8	2360.7	2376.1	2374.1	2395.7	2422.5	2459.6	2495.7
5°	2162.7	2178.2	2191.6	2204.0	2233.9	2243.2	2277.2	2328.7	2396.8	2465.8
7.5°	1994.7	2008.1	2028.7	2051.4	2101.9	2111.2	2167.9	2248.3	2343.1	2444.2
10°	1857.6	1871.0	1892.7	1918.4	1981.3	1992.7	2064.8	2172.0	2295.7	2423.6
12.5°	1798.9	1803.0	1815.3	1841.1	1895.8	1903.0	1982.3	2105.0	2249.3	2408.1
15°	1795.8	1804.0	1805.0	1818.4	1863.8	1866.9	1940.1	2061.7	2220.5	2405.0
17.5°	1826.7	1832.9	1823.6	1831.8	1870.0	1875.1	1932.9	2041.1	2211.2	2418.4
20°	1909.2	1914.3	1886.5	1875.1	1903.0	1907.1	1963.8	2054.5	2220.5	2446.2
22.5°	2084.4	2087.5	2019.5	1973.1	1975.1	1977.2	2026.7	2109.1	2256.6	2496.7
25°	2357.6	2355.5	2247.3	2157.6	2106.0	2094.7	2127.7	2197.8	2317.4	2563.8
27.5°	2677.1	2661.7	2553.4	2419.4	2307.1	2290.6	2283.4	2313.3	2404.0	2652.4
30°	3037.9	3023.5	2907.0	2731.8	2576.1	2549.3	2481.3	2465.8	2532.8	2773.0
32.5°	3433.8	3424.5	3285.4	3073.0	2864.8	2833.8	2719.4	2678.2	2730.8	2955.5
35°	3765.7	3757.5	3642.0	3423.5	3168.9	3130.7	3014.2	2967.8	2994.7	3189.5
37.5°	4065.7	4061.6	3962.6	3790.5	3527.6	3481.2	3350.3	3334.8	3329.7	3497.7
40°	4344.0	4333.7	4230.7	4139.9	3945.1	3902.8	3787.4	3774.0	3734.8	3877.1
42.5°	4652.3	4625.5	4476.0	4433.7	4381.2	4346.1	4277.0	4279.1	4192.5	4304.9
45°	4903.8	4888.3	4734.7	4710.0	4766.7	4752.3	4812.1	4827.5	4659.5	4753.3
47.5°	5173.9	5159.5	5029.6	5012.0	5165.6	5169.8	5381.1	5386.3	5115.1	5219.3
50°	5506.9	5486.2	5357.4	5379.0	5551.2	5566.7	5953.2	5918.2	5534.7	5692.4
52.5°	5726.4	5738.8	5711.0	5746.0	5981.1	5995.5	6516.1	6426.4	5950.1	6159.4
55°	5888.3	5913.0	5999.6	6080.0	6434.6	6449.1	7047.0	6909.9	6294.4	6592.4
57.5°	6096.5	6061.5	6223.3	6380.0	6865.5	6903.7	7563.4	7375.8	6599.6	6965.5
60°	6395.5	6370.7	6496.5	6728.4	7348.0	7408.8	8109.8	7795.4	6823.3	7261.4
62.5°	7001.6	6939.8	6959.3	7164.5	7956.2	8036.6	8726.2	8161.3	6934.6	7376.8
65°	7907.7	7801.6	7702.6	7844.9	8812.8	8892.2	9422.1	8448.9	6893.4	7153.1
67.5°	9048.9	8943.8	8822.1	8956.1	10074.6	10137.5	10280.8	8610.8	6568.6	6291.3
70°	9990.1	9950.9	10096.3	10647.8	12089.9	12092.0	11381.7	8476.8	5679.0	4460.5
72.5°	9865.3	9841.6	10607.6	12312.6	14630.0	14575.3	12423.9	7462.4	3825.5	2012.2
75°	8093.3	8246.9	9433.4	12282.7	15542.3	15535.1	11785.8	4744.0	1582.4	834.0
77.5°	4339.9	4583.2	6124.3	9068.5	12133.2	12315.7	8286.1	1659.7	679.3	534.0
80°	1415.4	1627.7	2441.1	4617.2	7884.0	7850.0	3551.3	651.5	464.9	378.3
82.5°	601.0	625.7	1090.7	2180.3	4046.1	3983.2	1130.9	374.2	326.8	258.7
85°	235.0	262.9	481.4	1008.2	1752.5	1714.3	408.2	185.6	209.3	169.1
87.5°	77.3	93.8	172.2	345.3	545.3	525.7	100.0	63.9	90.7	77.3
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°
2541.1	0°	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1	2541.1
2548.3	2.5°	2562.7	2579.2	2598.8	2627.7	2652.4	2673.0	2694.7	2708.1	2713.2	2728.7
2552.4	5°	2581.3	2617.4	2665.8	2713.2	2759.6	2787.4	2812.2	2824.6	2835.9	2844.1
2563.8	7.5°	2612.2	2658.6	2734.9	2796.7	2835.9	2858.6	2875.1	2870.9	2875.1	2877.1
2576.1	10°	2639.0	2703.9	2794.7	2853.4	2883.3	2884.4	2880.2	2865.8	2858.6	2859.6
2594.7	12.5°	2671.0	2743.1	2841.1	2890.5	2898.8	2876.1	2858.6	2833.8	2824.6	2820.4
2622.5	15°	2714.3	2796.7	2891.6	2910.1	2889.5	2860.6	2830.7	2790.5	2769.9	2753.4
2669.9	17.5°	2766.8	2857.5	2930.7	2917.3	2873.0	2825.6	2777.1	2716.3	2674.1	2656.5
2734.9	20°	2840.0	2921.5	2960.6	2901.9	2834.9	2762.7	2680.2	2606.0	2566.8	2549.3
2817.3	22.5°	2928.7	3007.0	2989.5	2875.1	2780.2	2664.8	2561.7	2507.1	2487.5	2475.1
2923.5	25°	3034.9	3101.9	3010.1	2835.9	2690.5	2534.9	2455.5	2438.0	2428.7	2419.4
3053.4	27.5°	3173.0	3209.1	3025.6	2778.2	2550.4	2396.8	2367.9	2371.0	2367.9	2352.4
3233.8	30°	3355.5	3348.2	3040.0	2684.4	2389.5	2272.0	2274.1	2287.5	2289.5	2279.2
3485.3	32.5°	3595.6	3522.5	3047.2	2562.7	2235.9	2162.7	2164.8	2179.2	2189.5	2172.0
3814.2	35°	3886.3	3725.5	3035.9	2410.2	2117.4	2058.6	2043.2	2047.3	2050.4	2033.9
4213.1	37.5°	4225.5	3953.4	2985.4	2241.1	2019.5	1956.6	1923.6	1895.8	1879.3	1863.8
4664.6	40°	4597.6	4201.8	2892.6	2076.2	1910.2	1848.3	1798.9	1746.3	1690.6	1670.0
5143.0	42.5°	4987.3	4457.4	2780.2	1918.4	1784.4	1733.9	1681.3	1605.1	1521.6	1479.3
5639.8	45°	5391.4	4719.3	2669.9	1762.8	1655.6	1633.9	1573.1	1481.3	1390.6	1337.0
6137.7	47.5°	5787.3	4966.7	2508.1	1606.1	1535.0	1558.7	1511.2	1426.7	1325.7	1241.2
6631.5	50°	6165.6	5198.6	2243.2	1447.3	1437.0	1536.0	1490.6	1369.0	1253.5	1145.3
7116.0	52.5°	6540.8	5386.3	1904.0	1303.0	1384.4	1529.8	1463.8	1329.8	1188.6	1075.2
7571.7	55°	6859.4	5483.2	1577.2	1179.3	1308.2	1477.2	1431.9	1283.4	1096.8	976.2
7884.0	57.5°	7040.8	5404.8	1305.1	1057.7	1203.0	1390.6	1377.2	1184.5	987.6	894.8
7944.8	60°	6962.4	5087.3	1082.4	951.5	1103.0	1296.8	1282.4	1086.5	904.1	816.4
7619.1	62.5°	6530.5	4482.2	906.1	858.7	1012.3	1201.0	1187.6	1011.3	840.2	755.6
6754.2	65°	5660.5	3646.2	769.0	781.4	920.6	1085.5	1105.1	948.4	789.6	707.2
5225.4	67.5°	4317.2	2641.1	661.8	714.4	830.9	972.1	1028.8	903.0	747.4	669.0
3023.5	70°	2460.7	1499.9	571.1	649.4	751.5	867.0	970.0	867.0	702.0	637.1
1132.9	72.5°	932.9	688.6	493.8	584.5	675.2	778.3	905.1	810.3	649.4	601.0
585.5	75°	497.9	419.6	415.4	508.2	587.6	691.7	823.7	754.6	610.3	635.0
405.1	77.5°	339.2	296.9	347.4	435.0	491.7	595.8	737.1	670.1	528.8	526.8
280.4	80°	235.0	210.3	282.5	350.5	380.4	501.0	643.3	575.2	430.9	402.0
173.2	82.5°	141.2	137.1	211.3	261.8	269.1	386.6	533.0	482.4	352.6	307.2
103.1	85°	77.3	81.4	135.0	153.6	156.7	270.1	417.5	373.2	271.1	227.8
37.1	87.5°	21.6	27.8	49.5	60.8	75.3	140.2	248.4	221.6	136.1	94.8
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°
2541.1
2727.7
2846.2
2880.2
2861.7
2818.4
2758.6
2657.6
2547.3
2477.2
2419.4
2355.5
2284.4
2180.3
2045.2
1874.1
1679.3
1484.4
1332.9
1231.9
1136.0
1062.8
965.9
882.4
804.1
742.2
693.8
656.7
628.8
592.7
655.6
485.5
384.5
309.3
229.9
94.8
0.0

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