

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: P852653

Luminaire Tested: **GLAN-SB5B-930-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852653  
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-SB5B-930-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18967 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

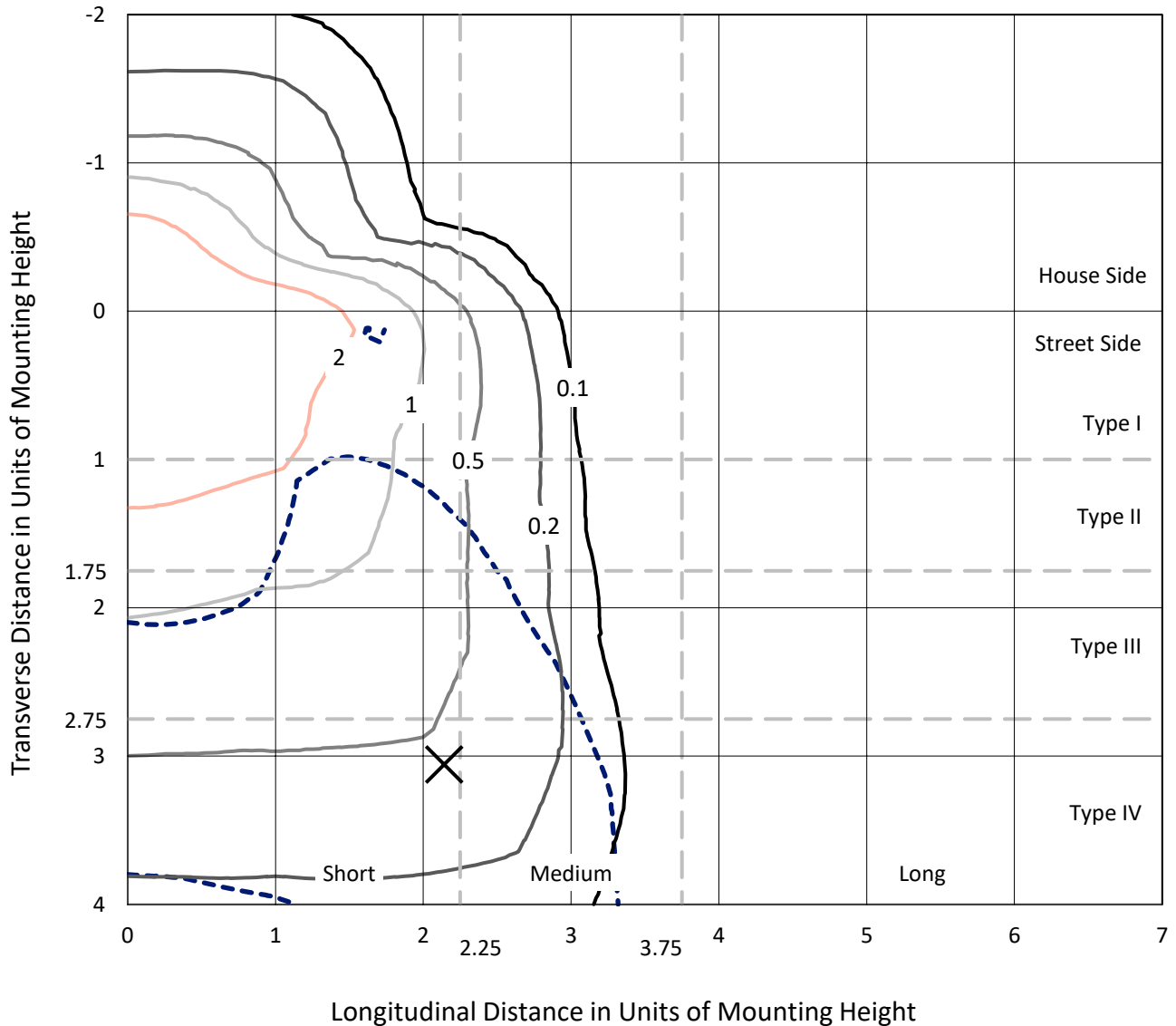
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

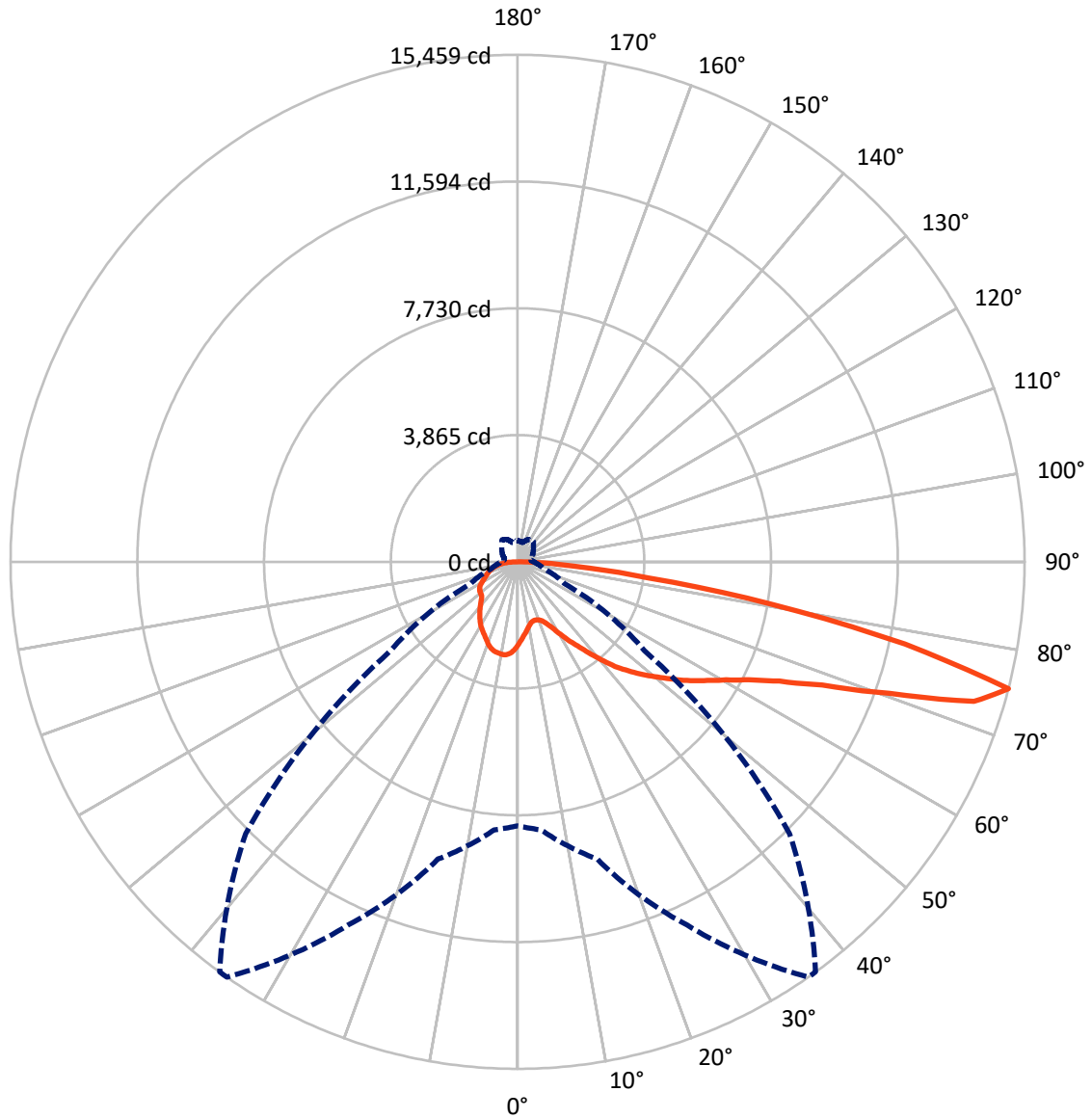
× Max cd  
 - - - 1/2 Max cd



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	4513.7	0.0	4513.7
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	14453.3	0.0	14453.3
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	18967.0	0.0	18967.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.3	1.3
10°-20°	690.3	3.6
20°-30°	1159.1	6.1
30°-40°	1801.4	9.5
40°-50°	2673.8	14.1
50°-60°	3691.3	19.5
60°-70°	4478.4	23.6
70°-80°	3701.1	19.5
80°-90°	532.3	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°	18967.0	100.0
0°-180°	18967.0	100.0

**Coefficient of Utilization**



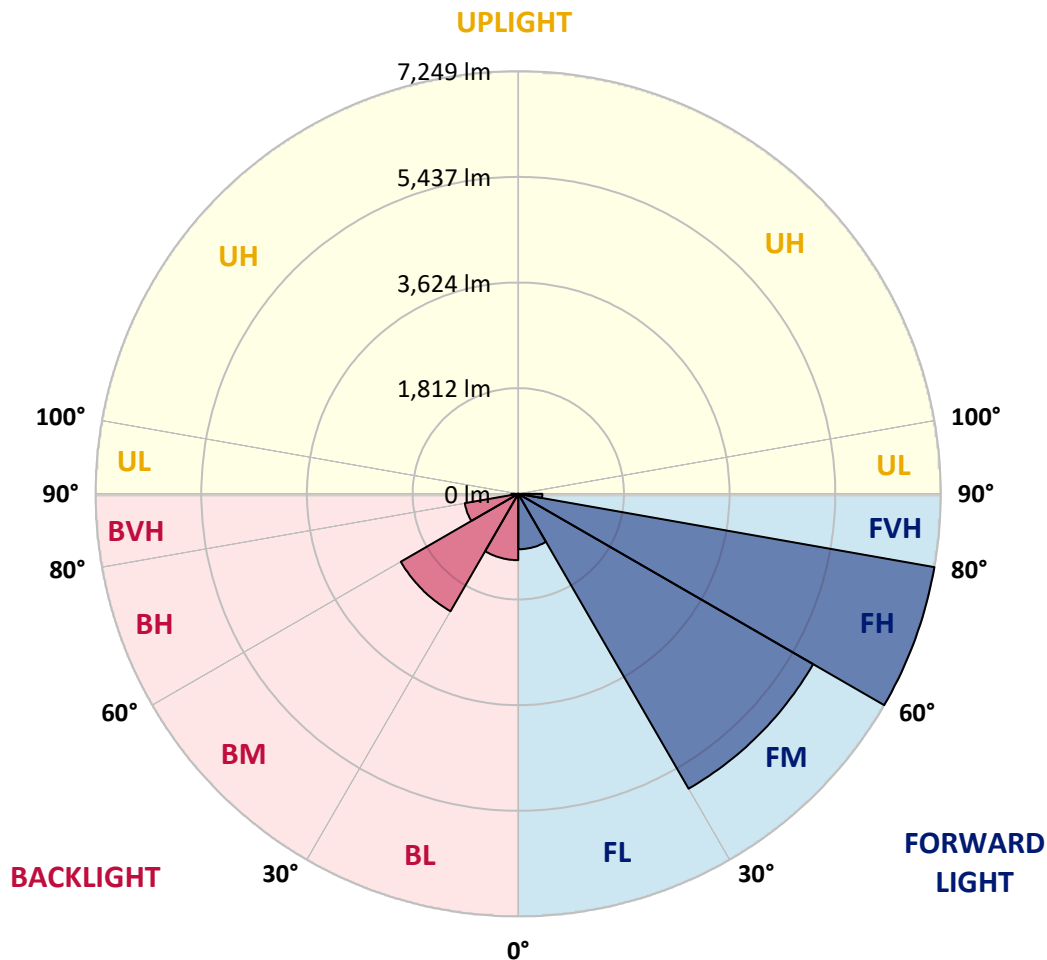
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	951.2	5.0			
FM (30°-60°)	5840.8	30.8			
FH (60°-80°)	7248.9	38.2			G3/7500
FVH (80°-90°)	412.5	2.2			G3/500
BL (0°-30°)	1137.5	6.0	B3/2500		
BM (30°-60°)	2325.7	12.3	B2/2500		
BH (60°-80°)	930.6	4.9	B2/1000		G2/1000
BVH (80°-90°)	119.9	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°	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5
2.5°	2330.6	2345.0	2351.1	2348.0	2363.4	2361.4	2382.9	2409.6	2446.5	2482.4
5°	2151.2	2166.6	2179.9	2192.2	2221.9	2231.2	2265.0	2316.3	2383.9	2452.6
7.5°	1984.0	1997.4	2017.9	2040.4	2090.7	2099.9	2156.3	2236.3	2330.6	2431.1
10°	1847.7	1861.0	1882.5	1908.2	1970.7	1982.0	2053.8	2160.4	2283.4	2410.6
12.5°	1789.2	1793.3	1805.6	1831.3	1885.6	1892.8	1971.7	2093.8	2237.3	2395.2
15°	1786.2	1794.4	1795.4	1808.7	1853.8	1856.9	1929.7	2050.7	2208.6	2392.1
17.5°	1816.9	1823.1	1813.8	1822.0	1860.0	1865.1	1922.5	2030.2	2199.4	2405.5
20°	1898.9	1904.1	1876.4	1865.1	1892.8	1896.9	1953.3	2043.5	2208.6	2433.1
22.5°	2073.3	2076.3	2008.7	1962.5	1964.6	1966.6	2015.8	2097.9	2244.5	2483.4
25°	2345.0	2342.9	2235.3	2146.1	2094.8	2083.5	2116.3	2186.0	2305.0	2550.0
27.5°	2662.8	2647.4	2539.8	2406.5	2294.7	2278.3	2271.1	2300.9	2391.1	2638.2
30°	3021.7	3007.3	2891.5	2717.2	2562.3	2535.7	2468.0	2452.6	2519.3	2758.2
32.5°	3415.4	3406.2	3267.8	3056.6	2849.4	2818.7	2704.9	2663.9	2716.1	2939.7
35°	3745.6	3737.4	3622.6	3405.2	3151.9	3114.0	2998.1	2952.0	2978.6	3172.4
37.5°	4044.0	4039.9	3941.4	3770.2	3508.7	3462.6	3332.4	3317.0	3311.9	3479.0
40°	4320.8	4310.6	4208.0	4117.8	3924.0	3882.0	3767.1	3753.8	3714.8	3856.3
42.5°	4627.4	4600.7	4452.1	4410.0	4357.7	4322.9	4254.2	4256.2	4170.1	4281.9
45°	4877.6	4862.2	4709.4	4684.8	4741.2	4726.9	4786.3	4801.7	4634.6	4727.9
47.5°	5146.2	5131.9	5002.7	4985.2	5138.0	5142.1	5352.3	5357.4	5087.8	5191.3
50°	5477.4	5456.9	5328.7	5350.3	5521.5	5536.9	5921.4	5886.5	5505.1	5662.0
52.5°	5695.8	5708.1	5680.4	5715.3	5949.1	5963.4	6481.2	6392.0	5918.3	6126.5
55°	5856.8	5881.4	5967.5	6047.5	6400.2	6414.6	7009.3	6872.9	6260.8	6557.1
57.5°	6063.9	6029.0	6190.0	6345.9	6828.8	6866.8	7523.0	7336.4	6564.3	6928.3
60°	6361.3	6336.6	6461.7	6692.4	7308.7	7369.2	8066.4	7753.7	6786.8	7222.5
62.5°	6964.2	6902.6	6922.1	7126.2	7913.6	7993.6	8679.6	8117.7	6897.5	7337.4
65°	7865.4	7759.8	7661.4	7802.9	8765.7	8844.6	9371.7	8403.7	6856.5	7114.9
67.5°	9000.5	8895.9	8774.9	8908.2	10020.7	10083.3	10225.8	8564.7	6533.5	6257.7
70°	9936.6	9897.7	10042.3	10590.8	12025.3	12027.3	11320.9	8431.4	5648.6	4436.7
72.5°	9812.6	9789.0	10550.8	12246.7	14551.7	14497.4	12357.5	7422.5	3805.1	2001.5
75°	8050.0	8202.8	9383.0	12217.0	15459.2	15452.0	11722.8	4718.6	1573.9	829.5
77.5°	4316.7	4558.7	6091.6	9020.0	12068.3	12249.8	8241.7	1650.8	675.7	531.1
80°	1407.8	1619.0	2428.0	4592.5	7841.9	7808.0	3532.3	648.0	462.4	376.3
82.5°	597.8	622.4	1084.8	2168.6	4024.5	3961.9	1124.8	372.2	325.0	257.4
85°	233.8	261.5	478.8	1002.8	1743.1	1705.2	406.0	184.6	208.1	168.2
87.5°	76.9	93.3	171.2	343.5	542.4	522.9	99.5	63.6	90.2	76.9
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°
2527.5	0°	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5	2527.5
2534.7	2.5°	2549.0	2565.4	2584.9	2613.6	2638.2	2658.7	2680.3	2693.6	2698.7	2714.1
2538.8	5°	2567.5	2603.4	2651.5	2698.7	2744.9	2772.5	2797.1	2809.5	2820.7	2828.9
2550.0	7.5°	2598.2	2644.4	2720.2	2781.8	2820.7	2843.3	2859.7	2855.6	2859.7	2861.7
2562.3	10°	2624.9	2689.5	2779.7	2838.2	2867.9	2868.9	2864.8	2850.5	2843.3	2844.3
2580.8	12.5°	2656.7	2728.4	2825.9	2875.1	2883.3	2860.7	2843.3	2818.7	2809.5	2805.4
2608.5	15°	2699.7	2781.8	2876.1	2894.6	2874.0	2845.3	2815.6	2775.6	2755.1	2738.7
2655.6	17.5°	2752.0	2842.3	2915.1	2901.7	2857.6	2810.5	2762.3	2701.8	2659.8	2642.3
2720.2	20°	2824.8	2905.8	2944.8	2886.4	2819.7	2747.9	2665.9	2592.1	2553.1	2535.7
2802.3	22.5°	2913.0	2990.9	2973.5	2859.7	2765.4	2650.5	2548.0	2493.6	2474.2	2461.9
2907.9	25°	3018.6	3085.3	2994.0	2820.7	2676.2	2521.3	2442.4	2424.9	2415.7	2406.5
3037.1	27.5°	3156.0	3191.9	3009.4	2763.3	2536.7	2383.9	2355.2	2358.3	2355.2	2339.8
3216.5	30°	3337.5	3330.3	3023.7	2670.0	2376.8	2259.9	2261.9	2275.2	2277.3	2267.0
3466.7	32.5°	3576.4	3503.6	3030.9	2549.0	2224.0	2151.2	2153.2	2167.6	2177.8	2160.4
3793.8	35°	3865.6	3705.6	3019.6	2397.3	2106.1	2047.6	2032.2	2036.3	2039.4	2023.0
4190.6	37.5°	4202.9	3932.2	2969.4	2229.1	2008.7	1946.1	1913.3	1885.6	1869.2	1853.8
4639.7	40°	4573.0	4179.3	2877.1	2065.0	1900.0	1838.4	1789.2	1736.9	1681.6	1661.1
5115.5	42.5°	4960.6	4433.6	2765.4	1908.2	1774.9	1724.6	1672.3	1596.5	1513.4	1471.4
5609.7	45°	5362.6	4694.0	2655.6	1753.3	1646.7	1625.2	1564.7	1473.4	1383.2	1329.9
6104.9	47.5°	5756.3	4940.1	2494.7	1597.5	1526.7	1550.3	1503.2	1419.1	1318.6	1234.5
6596.1	50°	6132.6	5170.8	2231.2	1439.6	1429.3	1527.8	1482.7	1361.7	1246.8	1139.2
7078.0	52.5°	6505.8	5357.4	1893.8	1296.0	1377.0	1521.6	1456.0	1322.7	1182.2	1069.4
7531.2	55°	6822.7	5453.8	1568.8	1173.0	1301.2	1469.3	1424.2	1276.6	1091.0	971.0
7841.9	57.5°	7003.1	5375.9	1298.1	1052.0	1196.6	1383.2	1369.9	1178.1	982.3	890.0
7902.4	60°	6925.2	5060.1	1076.6	946.4	1097.1	1289.9	1275.5	1080.7	899.2	812.1
7578.3	62.5°	6495.6	4458.2	901.3	854.1	1006.9	1194.5	1181.2	1005.9	835.7	751.6
6718.1	65°	5630.2	3626.7	764.9	777.2	915.6	1079.7	1099.2	943.3	785.4	703.4
5197.5	67.5°	4294.2	2626.9	658.3	710.6	826.4	966.9	1023.3	898.2	743.4	665.5
3007.3	70°	2447.5	1491.9	568.0	646.0	747.5	862.3	964.9	862.3	698.3	633.7
1126.9	72.5°	927.9	684.9	491.1	581.4	671.6	774.1	900.3	805.9	646.0	597.8
582.4	75°	495.2	417.3	413.2	505.5	584.4	688.0	819.3	750.6	607.0	631.6
403.0	77.5°	337.3	295.3	345.5	432.7	489.1	592.7	733.1	666.5	526.0	524.0
278.9	80°	233.8	209.2	280.9	348.6	378.4	498.3	639.8	572.1	428.6	399.9
172.3	82.5°	140.5	136.4	210.2	260.4	267.6	384.5	530.1	479.9	350.7	305.6
102.5	85°	76.9	81.0	134.3	152.8	155.9	268.6	415.3	371.2	269.7	226.6
36.9	87.5°	21.5	27.7	49.2	60.5	74.9	139.4	247.1	220.4	135.3	94.3
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°
2527.5
2713.1
2831.0
2864.8
2846.4
2803.3
2743.8
2643.3
2533.6
2463.9
2406.5
2342.9
2272.2
2168.6
2034.3
1864.1
1670.3
1476.5
1325.8
1225.3
1129.9
1057.1
960.8
877.7
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