

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: P940929

Luminaire Tested: **GLAN-SB4B-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940929
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18426 lumens
Efficiency: N/A
Efficacy: 125.3 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): 147
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

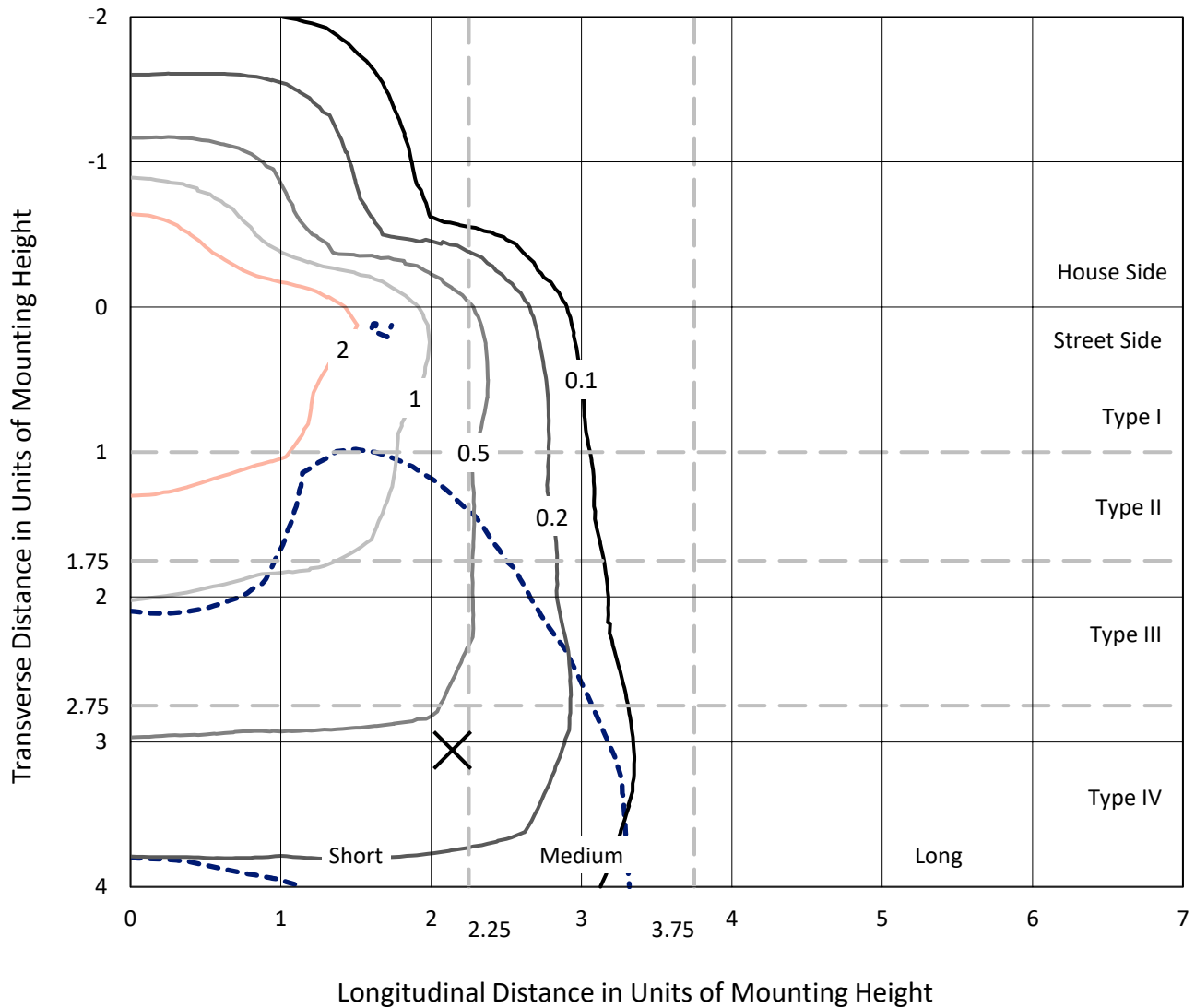


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

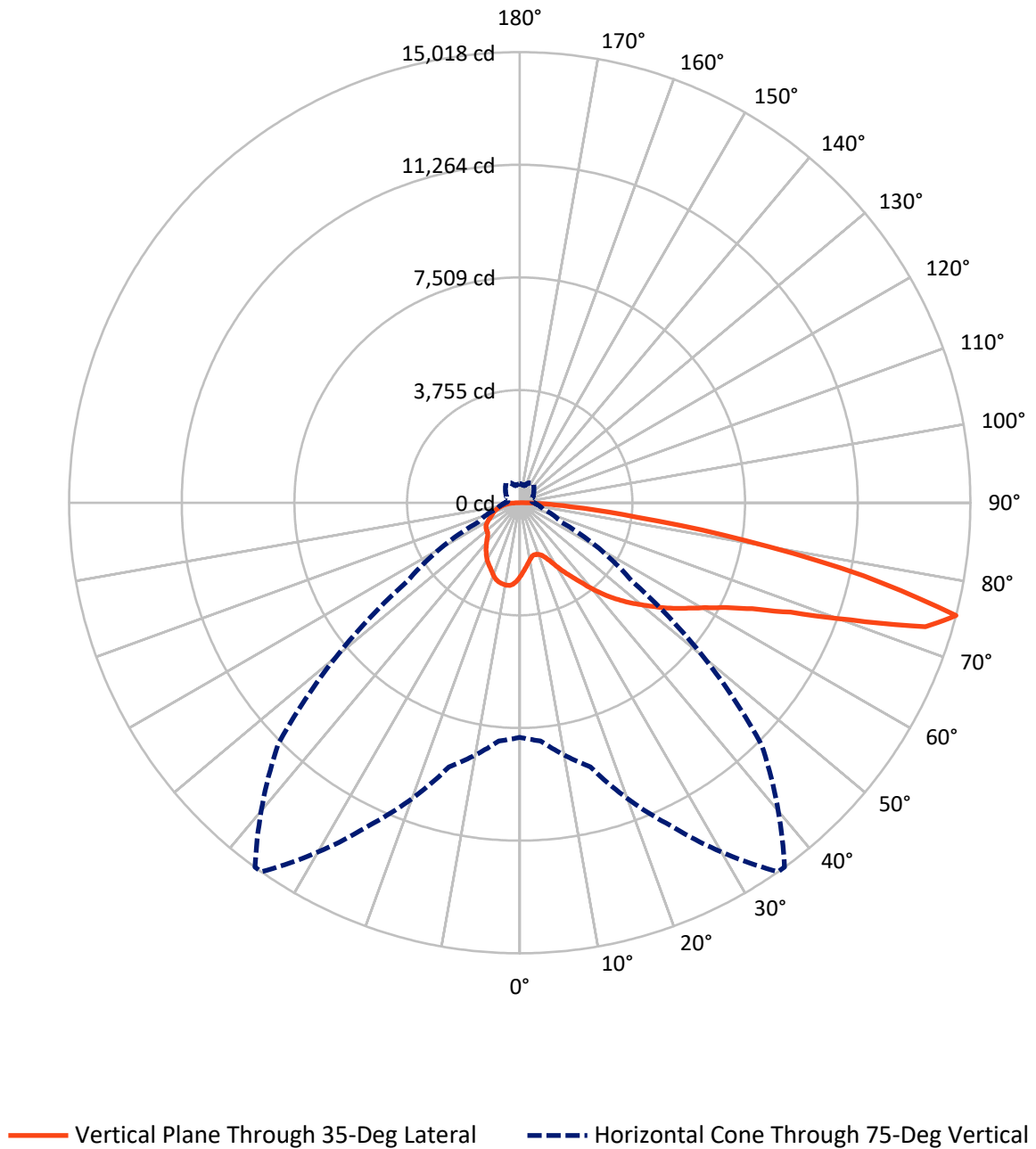


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4384.9	0.0	4384.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	14041.1	0.0	14041.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	18426.0	0.0	18426.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.5	1.3
10°-20°	670.6	3.6
20°-30°	1126.0	6.1
30°-40°	1750.0	9.5
40°-50°	2597.5	14.1
50°-60°	3586.0	19.5
60°-70°	4350.7	23.6
70°-80°	3595.5	19.5
80°-90°	517.1	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°	18426.0	100.0
0°-180°	18426.0	100.0

Coefficient of Utilization



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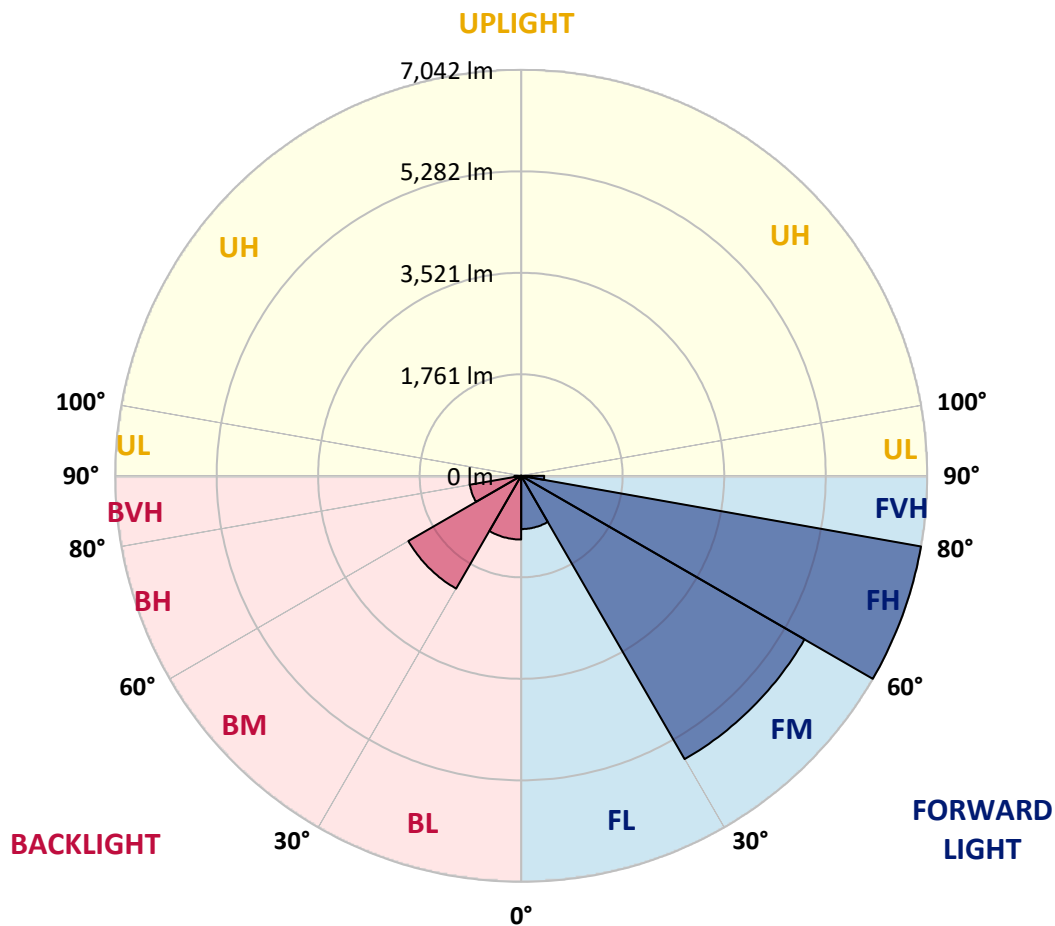
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	924.0	5.0			
FM	(30°-60°)	5674.2	30.8			
FH	(60°-80°)	7042.1	38.2			G3/7500
FVH	(80°-90°)	400.7	2.2			G3/500
BL	(0°-30°)	1105.1	6.0	B3/2500		
BM	(30°-60°)	2259.4	12.3	B2/2500		
BH	(60°-80°)	904.0	4.9	B2/1000		G2/1000
BVH	(80°-90°)	116.5	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°	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4
2.5°	2264.1	2278.1	2284.1	2281.1	2296.0	2294.0	2314.9	2340.8	2376.7	2411.6
5°	2089.8	2104.8	2117.7	2129.7	2158.6	2167.5	2200.4	2250.2	2315.9	2382.7
7.5°	1927.5	1940.4	1960.3	1982.2	2031.1	2040.0	2094.8	2172.5	2264.1	2361.8
10°	1795.0	1807.9	1828.8	1853.7	1914.5	1925.5	1995.2	2098.8	2218.3	2341.8
12.5°	1738.2	1742.2	1754.1	1779.0	1831.8	1838.8	1915.5	2034.0	2173.5	2326.9
15°	1735.2	1743.2	1744.2	1757.1	1801.0	1803.9	1874.7	1992.2	2145.6	2323.9
17.5°	1765.1	1771.1	1762.1	1770.1	1806.9	1811.9	1867.7	1972.3	2136.6	2336.9
20°	1844.8	1849.8	1822.9	1811.9	1838.8	1842.8	1897.6	1985.2	2145.6	2363.7
22.5°	2014.1	2017.1	1951.4	1906.5	1908.5	1910.5	1958.3	2038.0	2180.5	2412.6
25°	2278.1	2276.1	2171.5	2084.8	2035.0	2024.1	2056.0	2123.7	2239.2	2477.3
27.5°	2586.9	2571.9	2467.3	2337.8	2229.3	2213.3	2206.4	2235.3	2322.9	2563.0
30°	2935.5	2921.6	2809.0	2639.7	2489.3	2463.4	2397.6	2382.7	2447.4	2679.5
32.5°	3318.0	3309.0	3174.6	2969.4	2768.2	2738.3	2627.7	2587.9	2638.7	2855.8
35°	3638.8	3630.8	3519.2	3308.1	3062.0	3025.2	2912.6	2867.8	2893.7	3081.9
37.5°	3928.6	3924.6	3829.0	3662.7	3408.7	3363.8	3237.3	3222.4	3217.4	3379.8
40°	4197.6	4187.6	4088.0	4000.3	3812.1	3771.2	3659.7	3646.7	3608.9	3746.3
42.5°	4495.4	4469.5	4325.1	4284.2	4233.4	4199.6	4132.8	4134.8	4051.1	4159.7
45°	4738.5	4723.5	4575.1	4551.2	4606.0	4592.0	4649.8	4664.7	4502.4	4593.0
47.5°	4999.4	4985.5	4860.0	4843.0	4991.5	4995.4	5199.6	5204.6	4942.7	5043.3
50°	5321.2	5301.2	5176.7	5197.7	5364.0	5378.9	5752.5	5718.6	5348.1	5500.5
52.5°	5533.3	5545.3	5518.4	5552.3	5779.4	5793.3	6296.4	6209.7	5749.5	5951.7
55°	5689.7	5713.6	5797.3	5875.0	6217.7	6231.6	6809.3	6676.9	6082.2	6370.1
57.5°	5890.9	5857.1	6013.5	6164.9	6634.0	6670.9	7308.4	7127.1	6377.0	6730.7
60°	6179.8	6155.9	6277.4	6501.6	7100.2	7159.0	7836.3	7532.5	6593.2	7016.5
62.5°	6765.5	6705.8	6724.7	6922.9	7687.9	7765.6	8432.0	7886.1	6700.8	7128.1
65°	7641.1	7538.5	7442.9	7580.3	8515.7	8592.4	9104.4	8164.0	6660.9	6911.9
67.5°	8743.8	8642.2	8524.6	8654.1	9734.9	9795.7	9934.1	8320.4	6347.2	6079.2
70°	9653.2	9615.4	9755.8	10288.7	11682.3	11684.3	10998.0	8190.9	5487.5	4310.1
72.5°	9532.7	9509.8	10249.9	11897.4	14136.7	14083.9	12005.0	7210.8	3696.5	1944.4
75°	7820.4	7968.8	9115.3	11868.5	15018.2	15011.2	11388.4	4584.1	1529.0	805.8
77.5°	4193.6	4428.7	5917.8	8762.7	11724.1	11900.4	8006.7	1603.7	656.4	516.0
80°	1367.6	1572.8	2358.8	4461.5	7618.2	7585.3	3431.6	629.5	449.2	365.6
82.5°	580.7	604.6	1053.9	2106.8	3909.7	3848.9	1092.7	361.6	315.8	250.0
85°	227.1	254.0	465.2	974.2	1693.4	1656.5	394.5	179.3	202.2	163.4
87.5°	74.7	90.6	166.3	333.7	526.9	508.0	96.6	61.8	87.7	74.7
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°
2455.4	0°	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4	2455.4
2462.4	2.5°	2476.3	2492.2	2511.2	2539.1	2563.0	2582.9	2603.8	2616.8	2621.7	2636.7
2466.3	5°	2494.2	2529.1	2575.9	2621.7	2666.6	2693.5	2717.4	2729.3	2740.3	2748.2
2477.3	7.5°	2524.1	2568.9	2642.7	2702.4	2740.3	2762.2	2778.1	2774.1	2778.1	2780.1
2489.3	10°	2550.0	2612.8	2700.4	2757.2	2786.1	2787.1	2783.1	2769.2	2762.2	2763.2
2507.2	12.5°	2580.9	2650.6	2745.3	2793.1	2801.0	2779.1	2762.2	2738.3	2729.3	2725.3
2534.1	15°	2622.7	2702.4	2794.1	2812.0	2792.1	2764.2	2735.3	2696.4	2676.5	2660.6
2579.9	17.5°	2673.5	2761.2	2831.9	2819.0	2776.1	2730.3	2683.5	2624.7	2583.9	2567.0
2642.7	20°	2744.3	2823.0	2860.8	2804.0	2739.3	2669.6	2589.9	2518.1	2480.3	2463.4
2722.3	22.5°	2829.9	2905.6	2888.7	2778.1	2686.5	2574.9	2475.3	2422.5	2403.6	2391.6
2824.9	25°	2932.5	2997.3	2908.6	2740.3	2599.8	2449.4	2372.7	2355.8	2346.8	2337.8
2950.5	27.5°	3066.0	3100.9	2923.6	2684.5	2464.4	2315.9	2288.0	2291.0	2288.0	2273.1
3124.8	30°	3242.3	3235.3	2937.5	2593.8	2309.0	2195.4	2197.4	2210.3	2212.3	2202.4
3367.8	32.5°	3474.4	3403.7	2944.5	2476.3	2160.5	2089.8	2091.8	2105.8	2115.7	2098.8
3685.6	35°	3755.3	3599.9	2933.5	2328.9	2046.0	1989.2	1974.3	1978.3	1981.2	1965.3
4071.1	37.5°	4083.0	3820.0	2884.7	2165.5	1951.4	1890.6	1858.7	1831.8	1815.9	1801.0
4507.4	40°	4442.6	4060.1	2795.1	2006.1	1845.8	1786.0	1738.2	1687.4	1633.6	1613.7
4969.5	42.5°	4819.1	4307.1	2686.5	1853.7	1724.3	1675.4	1624.6	1550.9	1470.2	1429.4
5449.7	45°	5209.6	4560.2	2579.9	1703.3	1599.7	1578.8	1520.1	1431.4	1343.7	1291.9
5930.8	47.5°	5592.1	4799.2	2423.5	1551.9	1483.2	1506.1	1460.3	1378.6	1281.0	1199.3
6407.9	50°	5957.7	5023.3	2167.5	1398.5	1388.6	1484.2	1440.4	1322.8	1211.3	1106.7
6876.1	52.5°	6320.3	5204.6	1839.8	1259.1	1337.8	1478.2	1414.5	1285.0	1148.5	1038.9
7316.4	55°	6628.1	5298.3	1524.0	1139.5	1264.1	1427.4	1383.6	1240.1	1059.9	943.3
7618.2	57.5°	6803.4	5222.6	1261.1	1022.0	1162.4	1343.7	1330.8	1144.5	954.3	864.6
7677.0	60°	6727.7	4915.8	1045.9	919.4	1065.8	1253.1	1239.1	1049.9	873.6	788.9
7362.2	62.5°	6310.3	4331.0	875.6	829.8	978.2	1160.5	1147.5	977.2	811.8	730.1
6526.5	65°	5469.6	3523.2	743.1	755.0	889.5	1048.9	1067.8	916.4	763.0	683.3
5049.2	67.5°	4171.7	2552.0	639.5	690.3	802.9	939.3	994.1	872.6	722.2	646.5
2921.6	70°	2377.7	1449.3	551.8	627.5	726.2	837.7	937.3	837.7	678.3	615.6
1094.7	72.5°	901.5	665.4	477.1	564.8	652.4	752.1	874.6	782.9	627.5	580.7
565.8	75°	481.1	405.4	401.4	491.1	567.8	668.4	795.9	729.1	589.7	613.6
391.5	77.5°	327.7	286.9	335.7	420.4	475.1	575.7	712.2	647.5	511.0	509.0
270.9	80°	227.1	203.2	272.9	338.7	367.6	484.1	621.6	555.8	416.4	388.5
167.3	82.5°	136.5	132.5	204.2	253.0	260.0	373.5	515.0	466.2	340.7	296.8
99.6	85°	74.7	78.7	130.5	148.4	151.4	261.0	403.4	360.6	262.0	220.1
35.9	87.5°	20.9	26.9	47.8	58.8	72.7	135.5	240.1	214.2	131.5	91.6
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°
2455.4
2635.7
2750.2
2783.1
2765.2
2723.3
2665.6
2567.9
2461.4
2393.6
2337.8
2276.1
2207.4
2106.8
1976.3
1810.9
1622.6
1434.4
1288.0
1190.3
1097.7
1027.0
933.3
852.7
777.0
717.2
670.4
634.5
607.6
572.8
633.5
469.2
371.5
298.8
222.1
91.6
0.0

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