

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: P852593

Luminaire Tested: **GLAN-SB5A-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852593
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-SB5A-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17513 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

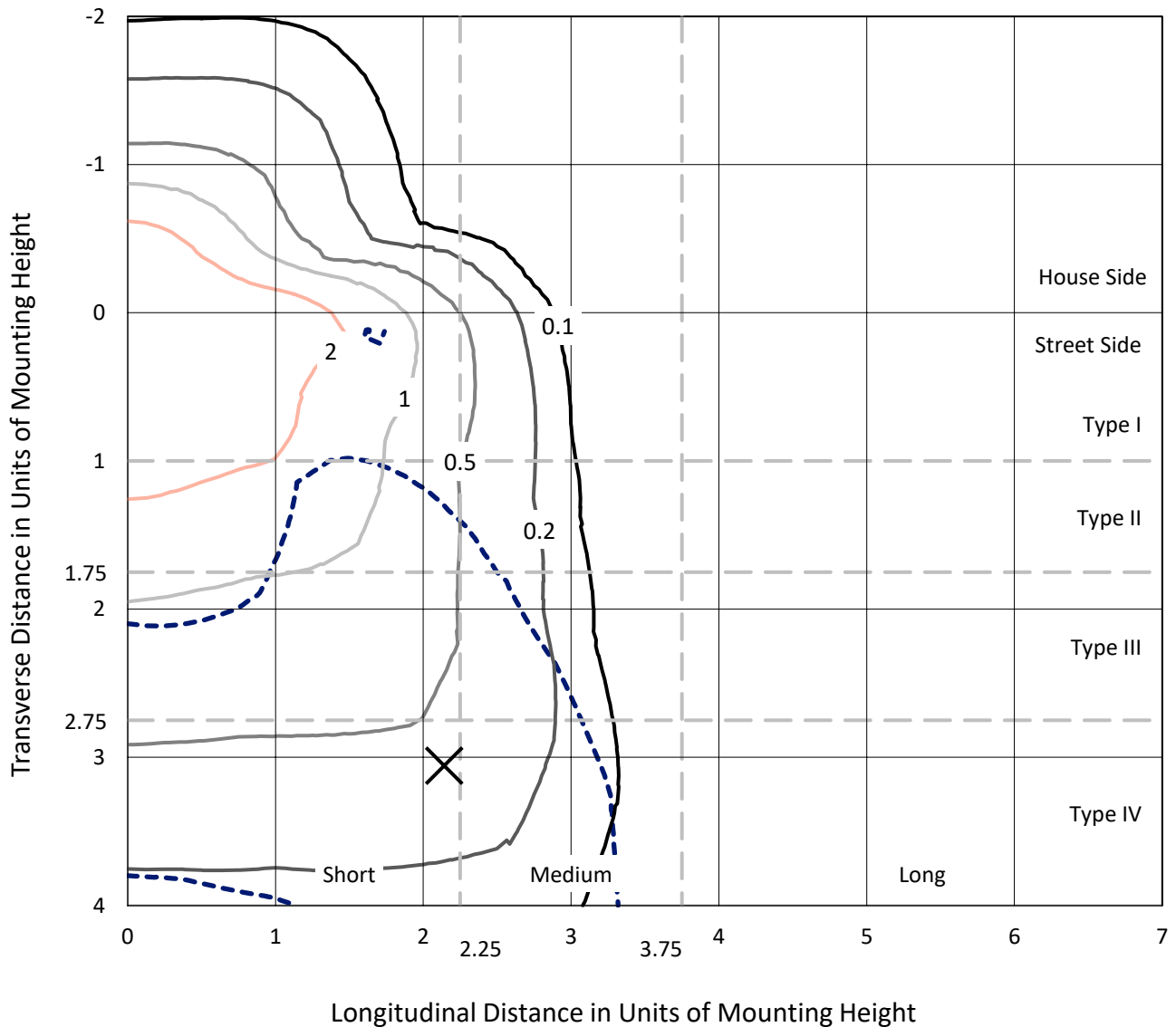
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

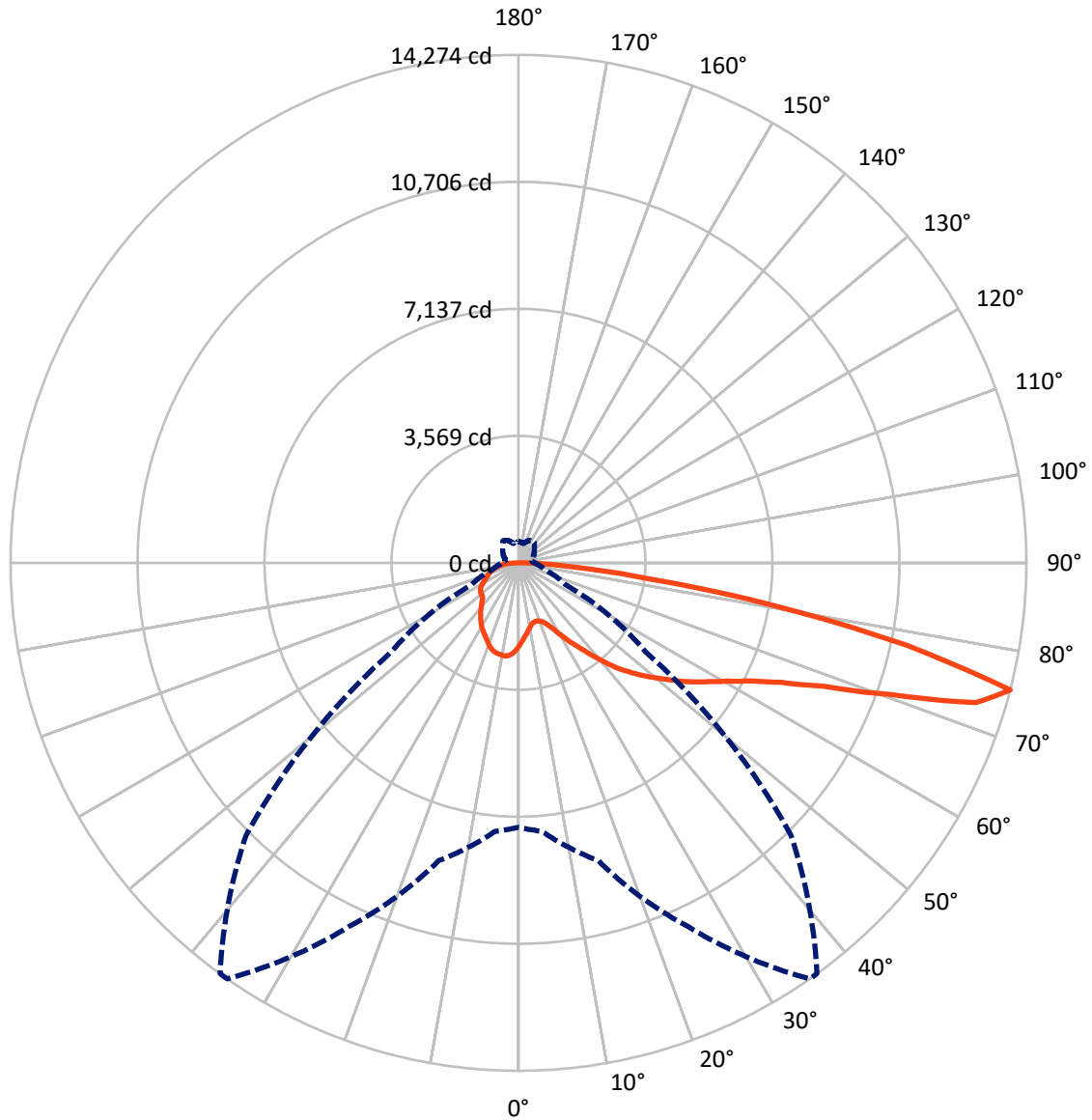
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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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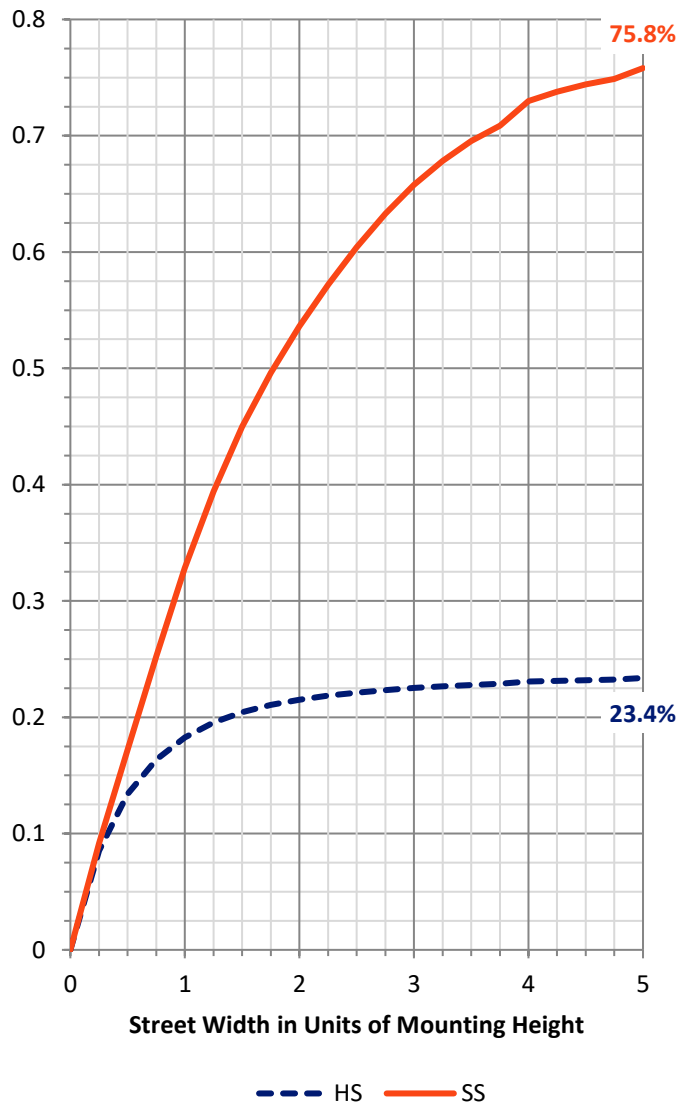
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4167.7	0.0	4167.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	13345.4	0.0	13345.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	17513.0	0.0	17513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.0	1.3
10°-20°	637.3	3.6
20°-30°	1070.3	6.1
30°-40°	1663.3	9.5
40°-50°	2468.8	14.1
50°-60°	3408.4	19.5
60°-70°	4135.1	23.6
70°-80°	3417.3	19.5
80°-90°	491.5	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°	17513.0	100.0
0°-180°	17513.0	100.0

Coefficient of Utilization



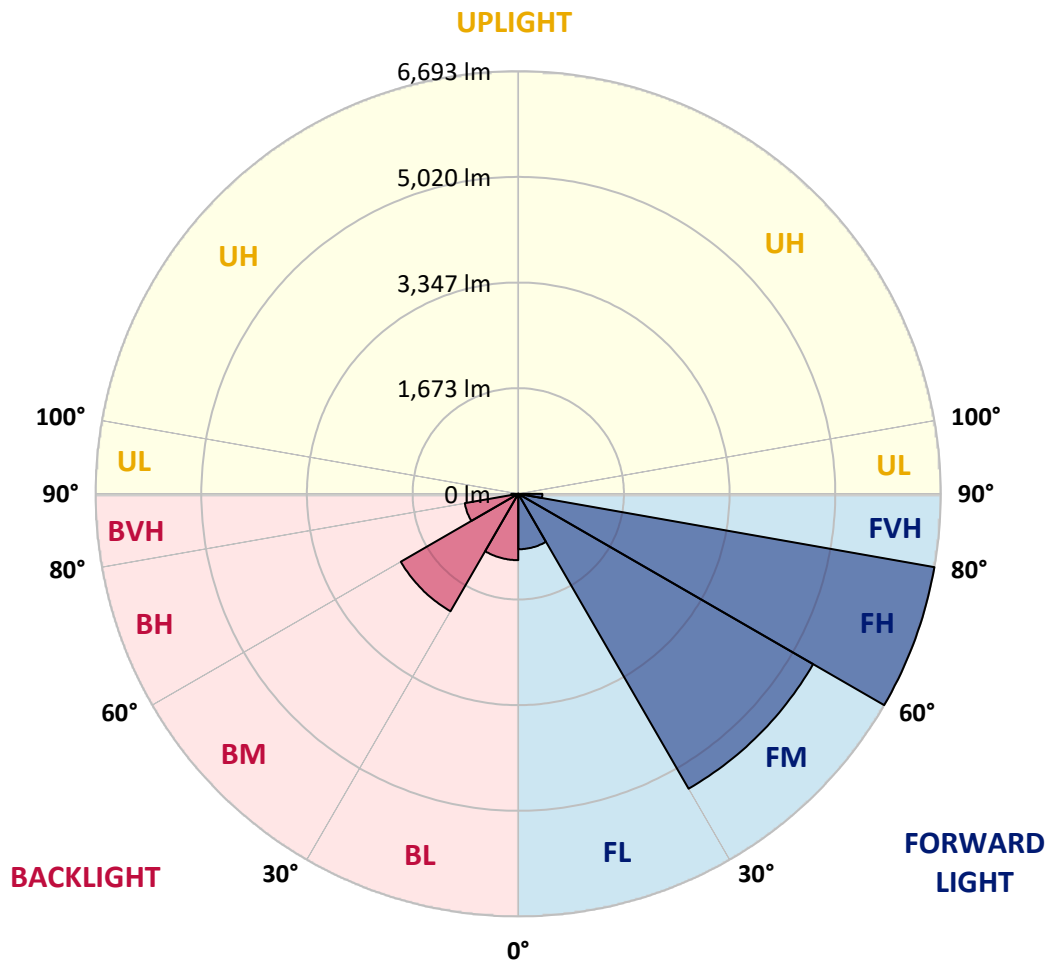
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	878.2	5.0			
FM (30°-60°)	5393.1	30.8			
FH (60°-80°)	6693.2	38.2			G3/7500
FVH (80°-90°)	380.8	2.2			G3/500
BL (0°-30°)	1050.3	6.0	B3/2500		
BM (30°-60°)	2147.4	12.3	B2/2500		
BH (60°-80°)	859.2	4.9	B2/1000		G2/1000
BVH (80°-90°)	110.7	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°	2333.7	2333.7	2333.7	2333.7	2333.7	2333.7	2333.7	2333.7	2333.7	2333.7
2.5°	2152.0	2165.2	2170.9	2168.0	2182.2	2180.4	2200.2	2224.9	2258.9	2292.1
5°	1986.3	2000.5	2012.8	2024.1	2051.6	2060.1	2091.4	2138.7	2201.2	2264.6
7.5°	1832.0	1844.3	1863.2	1884.0	1930.4	1938.9	1991.0	2064.9	2152.0	2244.7
10°	1706.0	1718.3	1738.2	1761.9	1819.6	1830.1	1896.3	1994.8	2108.4	2225.8
12.5°	1652.1	1655.9	1667.2	1690.9	1741.1	1747.7	1820.6	1933.3	2065.8	2211.6
15°	1649.2	1656.8	1657.7	1670.1	1711.7	1714.6	1781.8	1893.5	2039.3	2208.8
17.5°	1677.6	1683.3	1674.8	1682.4	1717.4	1722.1	1775.1	1874.6	2030.8	2221.1
20°	1753.4	1758.1	1732.5	1722.1	1747.7	1751.5	1803.5	1886.9	2039.3	2246.6
22.5°	1914.3	1917.2	1854.7	1812.1	1814.0	1815.9	1861.3	1937.0	2072.4	2293.0
25°	2165.2	2163.3	2063.9	1981.5	1934.2	1923.8	1954.1	2018.5	2128.3	2354.6
27.5°	2458.7	2444.5	2345.1	2222.0	2118.8	2103.7	2097.0	2124.5	2207.8	2436.0
30°	2790.1	2776.8	2669.8	2508.9	2365.9	2341.3	2278.8	2264.6	2326.2	2546.7
32.5°	3153.6	3145.1	3017.3	2822.2	2631.0	2602.6	2497.5	2459.6	2507.9	2714.3
35°	3458.5	3450.9	3344.8	3144.1	2910.3	2875.3	2768.3	2725.7	2750.3	2929.2
37.5°	3734.0	3730.2	3639.3	3481.2	3239.8	3197.2	3076.9	3062.7	3058.0	3212.3
40°	3989.6	3980.1	3885.4	3802.1	3623.2	3584.4	3478.3	3466.0	3430.1	3560.7
42.5°	4272.7	4248.0	4110.8	4071.9	4023.7	3991.5	3928.0	3929.9	3850.4	3953.6
45°	4503.7	4489.5	4348.4	4325.7	4377.7	4364.5	4419.4	4433.6	4279.3	4365.4
47.5°	4751.7	4738.5	4619.2	4603.1	4744.1	4747.9	4942.0	4946.7	4697.7	4793.4
50°	5057.5	5038.6	4920.2	4940.1	5098.2	5112.4	5467.5	5435.3	5083.1	5227.9
52.5°	5259.2	5270.5	5245.0	5277.2	5493.0	5506.3	5984.4	5902.0	5464.6	5656.8
55°	5407.8	5430.5	5510.1	5583.9	5909.6	5922.8	6471.9	6346.0	5780.8	6054.4
57.5°	5599.0	5566.9	5715.5	5859.4	6305.3	6340.3	6946.3	6774.0	6061.1	6397.2
60°	5873.6	5850.9	5966.4	6179.4	6748.4	6804.3	7448.0	7159.3	6266.5	6668.9
62.5°	6430.3	6373.5	6391.5	6579.9	7307.0	7380.8	8014.2	7495.4	6368.8	6774.9
65°	7262.5	7165.0	7074.1	7204.7	8093.7	8166.6	8653.2	7759.5	6330.9	6569.5
67.5°	8310.5	8214.0	8102.2	8225.3	9252.5	9310.3	9441.9	7908.2	6032.7	5778.0
70°	9174.9	9138.9	9272.4	9778.9	11103.4	11105.3	10453.0	7785.1	5215.6	4096.6
72.5°	9060.3	9038.6	9742.0	11307.9	13436.2	13386.0	11410.2	6853.5	3513.4	1848.0
75°	7432.9	7574.0	8663.7	11280.5	14274.1	14267.4	10824.1	4356.9	1453.3	765.9
77.5°	3985.8	4209.2	5624.6	8328.5	11143.2	11310.8	7609.9	1524.3	623.9	490.4
80°	1299.9	1494.9	2241.9	4240.5	7240.7	7209.5	3261.5	598.3	427.0	347.5
82.5°	552.0	574.7	1001.7	2002.4	3716.0	3658.2	1038.6	343.7	300.1	237.6
85°	215.9	241.4	442.1	925.9	1609.5	1574.4	374.9	170.4	192.2	155.3
87.5°	71.0	86.2	158.1	317.2	500.8	482.8	91.8	58.7	83.3	71.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2333.7	0°	2333.7	2333.7	2333.7	2333.7	2333.7	2333.7	2333.7	2333.7	2333.7	2333.7
2340.4	2.5°	2353.6	2368.8	2386.7	2413.3	2436.0	2454.9	2474.8	2487.1	2491.8	2506.0
2344.1	5°	2370.6	2403.8	2448.3	2491.8	2534.4	2560.0	2582.7	2594.1	2604.5	2612.1
2354.6	7.5°	2399.1	2441.7	2511.7	2568.5	2604.5	2625.3	2640.5	2636.7	2640.5	2642.4
2365.9	10°	2423.7	2483.3	2566.6	2620.6	2648.0	2649.0	2645.2	2632.0	2625.3	2626.3
2383.0	12.5°	2453.0	2519.3	2609.2	2654.7	2662.2	2641.4	2625.3	2602.6	2594.1	2590.3
2408.5	15°	2492.8	2568.5	2655.6	2672.7	2653.7	2627.2	2599.8	2562.8	2543.9	2528.8
2452.1	17.5°	2541.1	2624.4	2691.6	2679.3	2638.6	2595.0	2550.5	2494.7	2455.9	2439.8
2511.7	20°	2608.3	2683.1	2719.1	2665.1	2603.5	2537.3	2461.5	2393.4	2357.4	2341.3
2587.5	22.5°	2689.7	2761.7	2745.6	2640.5	2553.4	2447.3	2352.7	2302.5	2284.5	2273.1
2685.0	25°	2787.2	2848.8	2764.5	2604.5	2471.0	2328.0	2255.1	2239.1	2230.5	2222.0
2804.3	27.5°	2914.1	2947.2	2778.7	2551.5	2342.2	2201.2	2174.7	2177.5	2174.7	2160.5
2969.9	30°	3081.7	3075.0	2792.0	2465.3	2194.6	2086.6	2088.5	2100.8	2102.7	2093.3
3200.9	32.5°	3302.2	3235.0	2798.6	2353.6	2053.5	1986.3	1988.2	2001.4	2010.9	1994.8
3503.0	35°	3569.2	3421.5	2788.2	2213.5	1944.6	1890.6	1876.4	1880.2	1883.1	1867.9
3869.3	37.5°	3880.7	3630.8	2741.8	2058.2	1854.7	1796.9	1766.6	1741.1	1725.9	1711.7
4284.0	40°	4222.5	3858.9	2656.6	1906.7	1754.3	1697.5	1652.1	1603.8	1552.7	1533.7
4723.3	42.5°	4580.4	4093.7	2553.4	1761.9	1638.8	1592.4	1544.1	1474.1	1397.4	1358.6
5179.6	45°	4951.5	4334.2	2452.1	1618.9	1520.5	1500.6	1444.7	1360.5	1277.2	1227.9
5636.9	47.5°	5315.0	4561.4	2303.4	1475.0	1409.7	1431.5	1387.9	1310.3	1217.5	1139.9
6090.4	50°	5662.5	4774.4	2060.1	1329.2	1319.8	1410.6	1369.0	1257.3	1151.2	1051.8
6535.4	52.5°	6007.1	4946.7	1748.6	1196.7	1271.5	1405.0	1344.4	1221.3	1091.6	987.5
6953.8	55°	6299.6	5035.7	1448.5	1083.1	1201.4	1356.7	1315.0	1178.7	1007.3	896.6
7240.7	57.5°	6466.3	4963.8	1198.6	971.4	1104.9	1277.2	1264.9	1087.8	907.0	821.8
7296.6	60°	6394.3	4672.2	994.1	873.8	1013.0	1191.0	1177.8	997.9	830.3	749.8
6997.4	62.5°	5997.6	4116.4	832.2	788.6	929.7	1103.0	1090.6	928.8	771.6	694.0
6203.1	65°	5198.6	3348.6	706.3	717.6	845.4	996.9	1014.9	871.0	725.2	649.5
4799.0	67.5°	3965.0	2425.6	607.8	656.1	763.1	892.8	944.9	829.3	686.4	614.4
2776.8	70°	2259.9	1377.5	524.5	596.4	690.2	796.2	890.9	796.2	644.7	585.1
1040.5	72.5°	856.8	632.4	453.5	536.8	620.1	714.8	831.2	744.1	596.4	552.0
537.8	75°	457.3	385.3	381.5	466.7	539.6	635.3	756.4	693.0	560.5	583.2
372.1	77.5°	311.5	272.7	319.1	399.5	451.6	547.2	676.9	615.4	485.7	483.8
257.5	80°	215.9	193.1	259.4	321.9	349.3	460.1	590.8	528.3	395.7	369.2
159.1	82.5°	129.7	125.9	194.1	240.5	247.1	355.0	489.5	443.1	323.8	282.1
94.7	85°	71.0	74.8	124.0	141.1	143.9	248.0	383.4	342.7	249.0	209.2
34.1	87.5°	19.9	25.6	45.4	55.9	69.1	128.8	228.2	203.6	125.0	87.1
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°
2333.7
2505.1
2614.0
2645.2
2628.2
2588.4
2533.5
2440.7
2339.4
2275.0
2222.0
2163.3
2098.0
2002.4
1878.3
1721.2
1542.2
1363.3
1224.1
1131.4
1043.3
976.1
887.1
810.4
738.5
681.7
637.2
603.1
577.5
544.4
602.1
445.9
353.1
284.0
211.1
87.1
0.0

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