

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: P848033

Luminaire Tested: **GLAN-SB4B-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15092 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

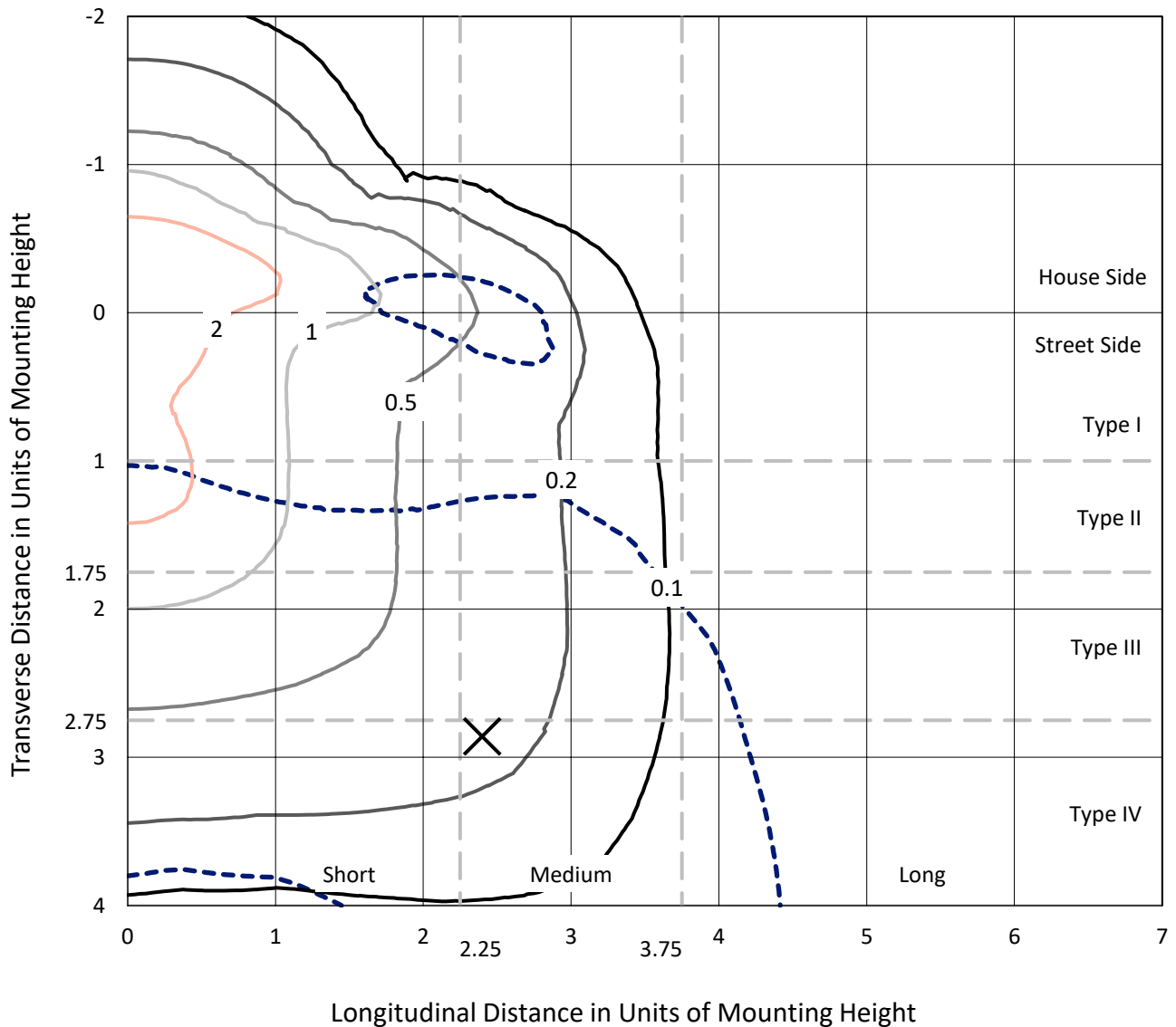
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

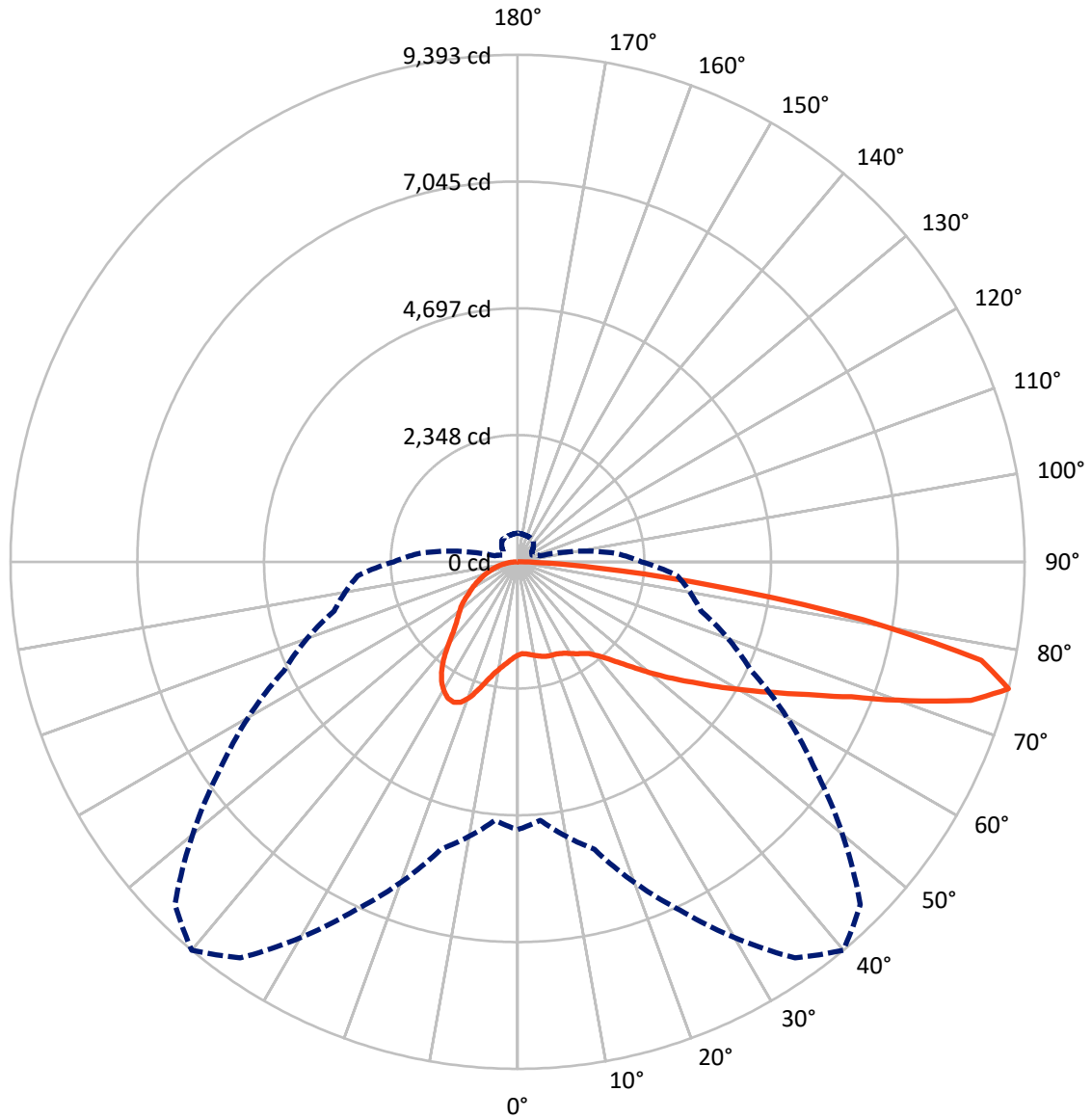
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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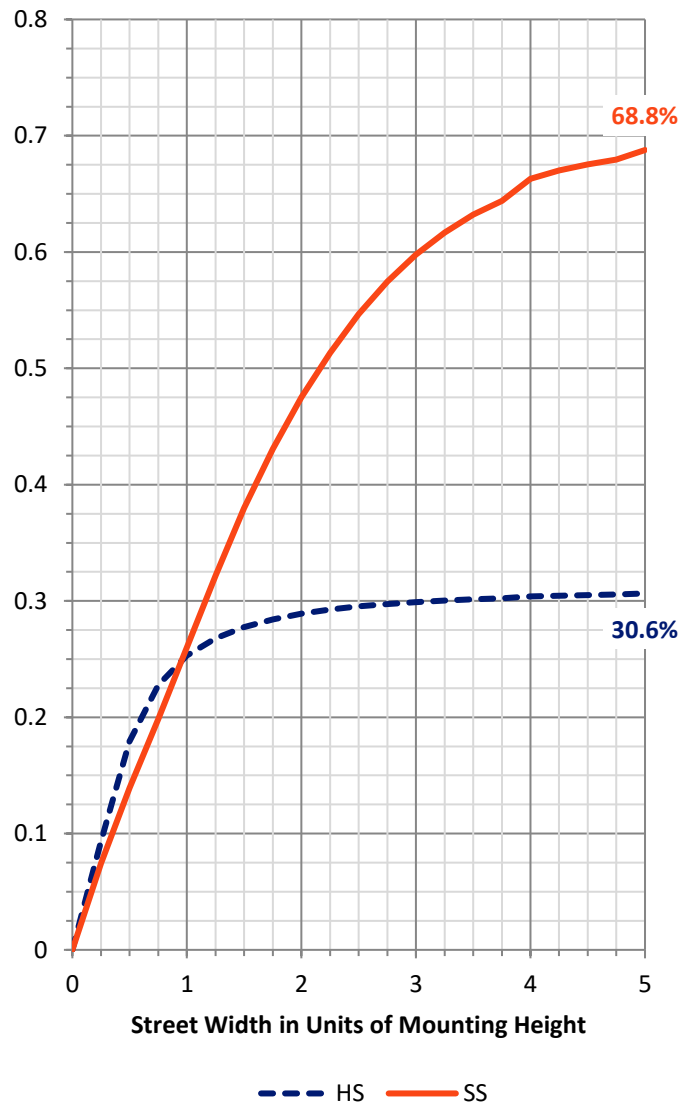
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4676.0	0.0	4676.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	10416.0	0.0	10416.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	15092.0	0.0	15092.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.3	1.1
10°-20°	578.4	3.8
20°-30°	1056.1	7.0
30°-40°	1497.8	9.9
40°-50°	2022.5	13.4
50°-60°	2720.8	18.0
60°-70°	3453.3	22.9
70°-80°	3134.1	20.8
80°-90°	456.8	3.0
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°	15092.0	100.0
0°-180°	15092.0	100.0

Coefficient of Utilization

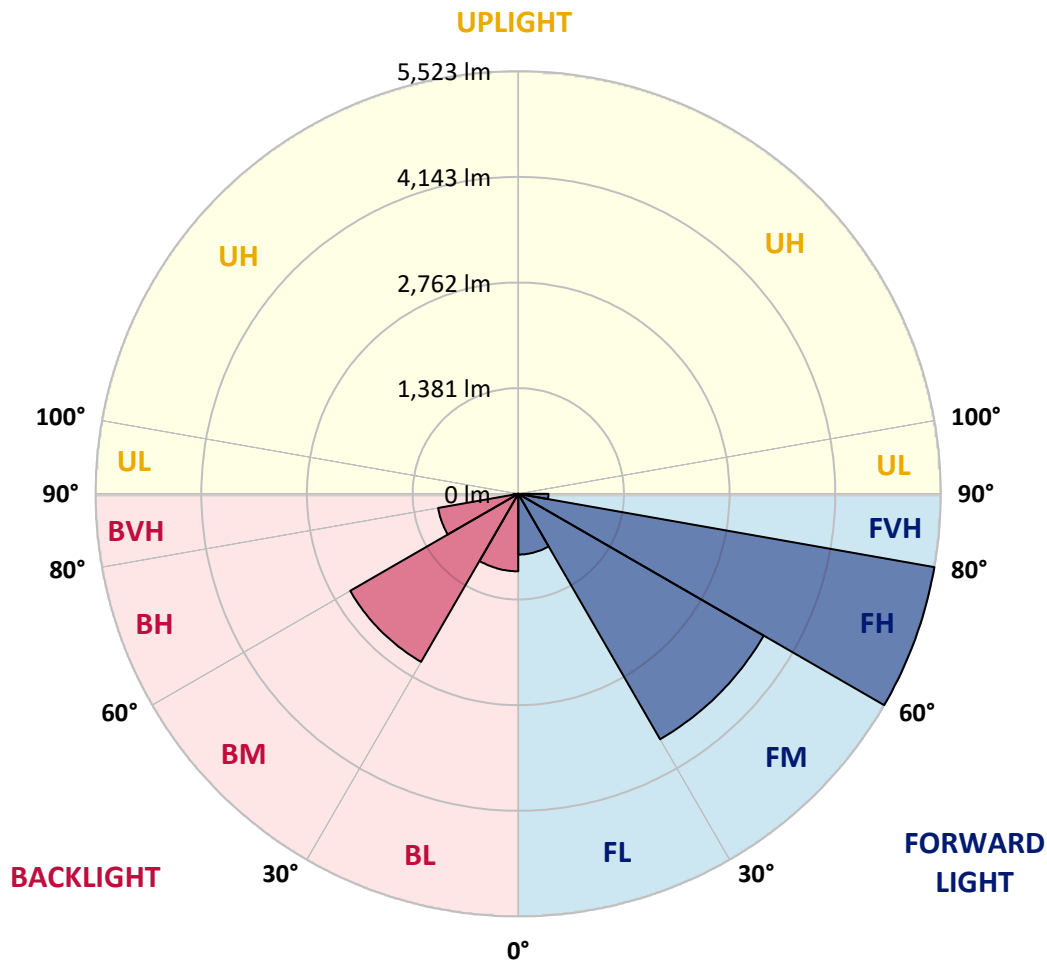


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	793.9	5.3			
FM (30°-60°)	3704.7	24.5			
FH (60°-80°)	5523.4	36.6			G3/7500
FVH (80°-90°)	393.9	2.6			G3/500
BL (0°-30°)	1012.9	6.7	B3/2500		
BM (30°-60°)	2536.3	16.8	B3/5000		
BH (60°-80°)	1063.9	7.0	B3/2500		G3/2500
BVH (80°-90°)	62.9	0.4			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1725.8	1725.8	1725.8	1725.8	1725.8	1725.8	1725.8	1725.8	1725.8	1725.8
2.5°	1699.4	1709.0	1706.6	1703.4	1703.4	1704.2	1703.4	1709.0	1714.6	1720.2
5°	1717.0	1726.6	1721.8	1717.8	1714.6	1713.8	1711.4	1710.6	1713.8	1721.0
7.5°	1751.4	1761.0	1753.8	1746.6	1740.2	1737.0	1733.8	1729.0	1726.6	1730.6
10°	1789.8	1799.4	1790.6	1777.8	1767.4	1763.4	1760.2	1755.4	1752.2	1754.6
12.5°	1828.2	1837.9	1825.8	1808.2	1794.6	1792.2	1788.2	1786.6	1785.8	1785.0
15°	1864.3	1872.3	1857.1	1836.3	1821.8	1817.8	1813.8	1816.2	1820.2	1825.0
17.5°	1892.3	1900.3	1877.9	1850.7	1837.1	1835.5	1833.1	1841.1	1852.3	1864.3
20°	1917.9	1925.9	1897.1	1860.3	1844.3	1844.3	1845.1	1861.9	1877.9	1895.5
22.5°	1953.9	1960.3	1925.1	1874.7	1851.5	1853.1	1859.5	1876.3	1896.3	1920.3
25°	2007.6	2012.4	1969.1	1901.9	1875.5	1880.3	1885.9	1893.9	1913.1	1941.1
27.5°	2094.0	2098.0	2041.2	1949.9	1909.9	1917.9	1925.9	1920.3	1929.1	1953.1
30°	2215.7	2218.1	2146.0	2025.2	1968.3	1972.3	1973.9	1950.7	1933.9	1953.1
32.5°	2359.8	2359.0	2273.3	2116.4	2034.8	2030.8	2017.2	1971.5	1932.3	1949.1
35°	2583.1	2574.3	2463.8	2244.5	2110.0	2085.2	2053.2	1994.7	1940.3	1945.1
37.5°	2952.9	2925.7	2772.8	2454.2	2222.1	2158.8	2111.6	2032.4	1957.9	1943.5
40°	3369.9	3335.5	3167.4	2741.6	2390.2	2288.5	2212.5	2086.0	1986.7	1950.7
42.5°	3864.6	3815.8	3634.9	3080.2	2603.1	2455.8	2341.3	2154.0	2029.2	1973.9
45°	4472.2	4407.3	4151.2	3462.0	2871.2	2675.1	2522.2	2257.3	2094.0	2018.8
47.5°	5086.1	5102.1	4737.9	3899.0	3193.0	2945.7	2748.8	2412.6	2188.5	2090.8
50°	5738.5	5749.7	5321.5	4383.3	3558.0	3251.5	3003.3	2586.3	2319.7	2193.3
52.5°	6247.6	6249.2	5851.4	4890.0	3938.3	3587.7	3277.9	2784.8	2471.8	2329.3
55°	6566.2	6562.2	6222.8	5369.5	4375.3	3940.7	3582.1	3010.5	2657.5	2489.4
57.5°	6797.5	6785.5	6478.9	5781.7	4841.2	4357.7	3926.3	3266.7	2876.9	2679.9
60°	6885.6	6878.3	6652.6	6137.9	5331.1	4818.8	4323.3	3553.2	3125.8	2904.9
62.5°	6919.2	6932.8	6823.1	6482.9	5855.4	5329.5	4759.5	3895.8	3406.0	3159.4
65°	7037.6	7062.5	7040.0	6934.4	6447.7	5927.4	5338.3	4303.3	3711.7	3432.4
67.5°	7272.2	7297.0	7306.6	7474.7	7171.3	6672.6	6060.3	4810.8	4069.5	3715.7
70°	7266.6	7259.4	7429.1	7904.5	8077.4	7704.4	7033.6	5435.1	4496.2	3951.1
72.5°	6614.2	6556.6	6957.6	7899.7	8831.5	8781.8	8222.3	6240.4	4864.4	3979.9
75°	4962.0	4808.4	5516.8	7119.3	8957.1	9393.4	8978.0	6739.9	4777.1	3516.4
77.5°	2122.0	1967.5	2802.4	5270.2	8016.6	8781.0	8284.8	5880.2	3813.4	2325.3
80°	555.5	554.7	846.9	2389.4	5451.9	6484.5	5688.9	3797.4	2178.9	830.9
82.5°	229.7	224.1	311.4	929.3	2663.9	3638.9	2969.7	1693.8	786.9	224.9
85°	85.6	84.8	151.3	321.0	939.7	1500.9	1086.2	433.0	196.1	109.7
87.5°	24.0	23.2	32.8	111.3	228.9	347.4	185.7	71.2	55.2	43.2
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°
1725.8	0°	1725.8	1725.8	1725.8	1725.8	1725.8	1725.8	1725.8	1725.8	1725.8	1725.8
1729.0	2.5°	1731.4	1735.4	1742.6	1748.2	1755.4	1763.4	1774.6	1781.8	1789.0	1793.8
1733.0	5°	1738.6	1747.4	1765.8	1784.2	1805.8	1825.8	1849.1	1865.9	1879.5	1883.5
1747.4	7.5°	1754.6	1769.0	1800.2	1831.5	1865.9	1898.7	1932.3	1961.1	1984.3	1993.1
1773.0	10°	1782.6	1801.8	1845.9	1889.9	1935.5	1985.9	2029.2	2070.8	2103.6	2117.2
1803.4	12.5°	1817.8	1841.9	1899.5	1960.3	2023.6	2093.2	2149.2	2200.5	2241.3	2259.7
1845.9	15°	1863.5	1894.7	1968.3	2050.0	2142.8	2239.7	2310.9	2367.8	2413.4	2435.8
1889.9	17.5°	1913.1	1954.7	2047.6	2170.8	2303.7	2431.0	2514.2	2555.9	2603.1	2624.7
1930.7	20°	1961.1	2012.4	2145.2	2324.5	2501.4	2636.7	2704.0	2715.2	2718.4	2720.8
1969.1	22.5°	2010.8	2079.6	2267.7	2518.2	2708.0	2801.6	2811.2	2763.2	2695.9	2664.7
2006.8	25°	2065.2	2156.4	2427.8	2732.0	2885.7	2896.9	2823.2	2706.4	2579.1	2520.6
2037.2	27.5°	2118.0	2245.3	2619.9	2936.1	3013.7	2915.3	2756.8	2591.1	2437.4	2375.8
2058.8	30°	2170.8	2346.9	2832.0	3114.6	3072.2	2869.6	2651.9	2467.0	2312.5	2247.7
2078.0	32.5°	2224.5	2465.4	3076.2	3243.5	3061.8	2772.8	2521.4	2327.7	2191.7	2123.6
2094.8	35°	2285.3	2611.1	3307.5	3313.9	2992.1	2630.3	2349.3	2161.2	2042.8	1988.3
2114.8	37.5°	2364.6	2796.0	3511.6	3331.5	2870.4	2421.4	2135.6	1964.3	1866.7	1841.9
2144.4	40°	2463.0	3018.5	3667.7	3303.5	2690.3	2167.6	1901.9	1765.0	1709.8	1715.4
2184.5	42.5°	2591.1	3267.5	3777.4	3231.5	2439.8	1905.9	1697.0	1636.1	1662.6	1685.0
2244.5	45°	2757.6	3526.0	3845.4	3109.0	2156.4	1684.2	1576.1	1590.5	1610.5	1612.9
2341.3	47.5°	2970.5	3787.8	3890.2	2924.1	1867.5	1528.1	1499.3	1502.5	1498.5	1481.7
2486.2	50°	3236.3	4042.3	3930.3	2679.1	1621.7	1430.4	1392.0	1380.8	1325.6	1271.1
2679.1	52.5°	3538.8	4276.1	3947.1	2375.0	1430.4	1348.8	1286.3	1215.9	1112.6	1095.8
2921.7	55°	3875.0	4492.2	3903.8	2001.1	1269.5	1243.9	1149.5	1064.6	1053.4	1039.0
3241.1	57.5°	4276.9	4725.1	3815.8	1584.1	1104.6	1121.4	1029.4	1039.0	1019.0	996.6
3651.7	60°	4716.3	4966.0	3661.3	1203.9	934.1	968.6	998.2	997.4	991.8	973.4
4084.7	62.5°	5111.7	5124.5	3357.1	922.1	784.5	850.1	930.9	930.1	925.3	914.9
4537.0	65°	5347.1	5100.5	2849.6	726.0	661.2	752.4	839.7	846.1	846.9	846.1
4877.2	67.5°	5305.4	4819.6	2153.2	577.9	559.5	653.2	749.2	758.0	764.4	766.0
4920.4	70°	4834.8	4202.4	1404.0	461.1	469.1	565.9	663.6	672.4	678.0	684.4
4269.7	72.5°	3768.6	3089.8	803.7	373.0	389.8	490.7	578.7	589.1	592.3	604.3
2971.3	75°	2296.5	1817.0	433.8	293.8	320.2	419.4	494.7	506.7	512.3	526.7
1459.2	77.5°	1091.8	786.9	247.3	228.9	257.7	342.6	417.8	431.4	416.2	424.2
402.6	80°	369.0	292.2	156.1	174.5	196.9	267.4	334.6	348.2	316.2	314.6
133.7	82.5°	128.9	118.5	99.3	116.1	127.3	191.3	252.9	270.6	235.3	234.5
60.0	85°	50.4	48.0	55.2	63.2	76.0	117.7	166.5	175.3	144.9	116.9
17.6	87.5°	10.4	11.2	13.6	14.4	23.2	40.8	60.0	73.6	58.4	49.6
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°
1725.8
1790.6
1885.1
1993.9
2118.0
2259.7
2434.2
2623.9
2727.2
2673.5
2529.5
2383.0
2254.9
2132.4
2000.3
1859.5
1734.6
1705.8
1628.9
1494.5
1278.3
1101.4
1041.4
992.6
967.0
910.9
846.1
767.6
687.6
609.1
528.3
417.8
311.4
223.3
115.3
45.6
0.0

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