

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: P847843

Luminaire Tested: **GLAN-SB4A-850-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847843  
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-SB4A-850-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15302 lumens  
Efficiency: N/A  
Efficacy: 134.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

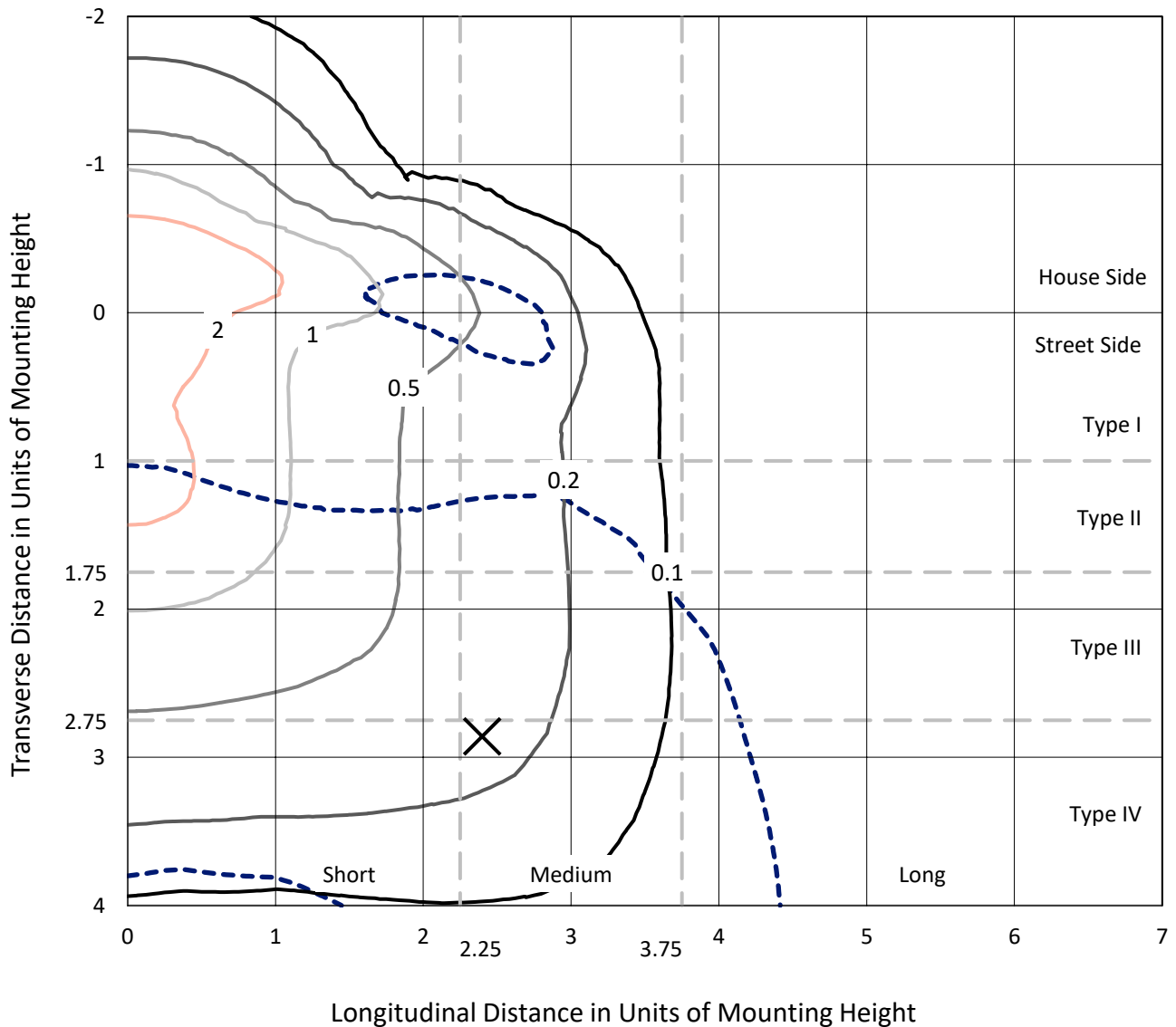
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

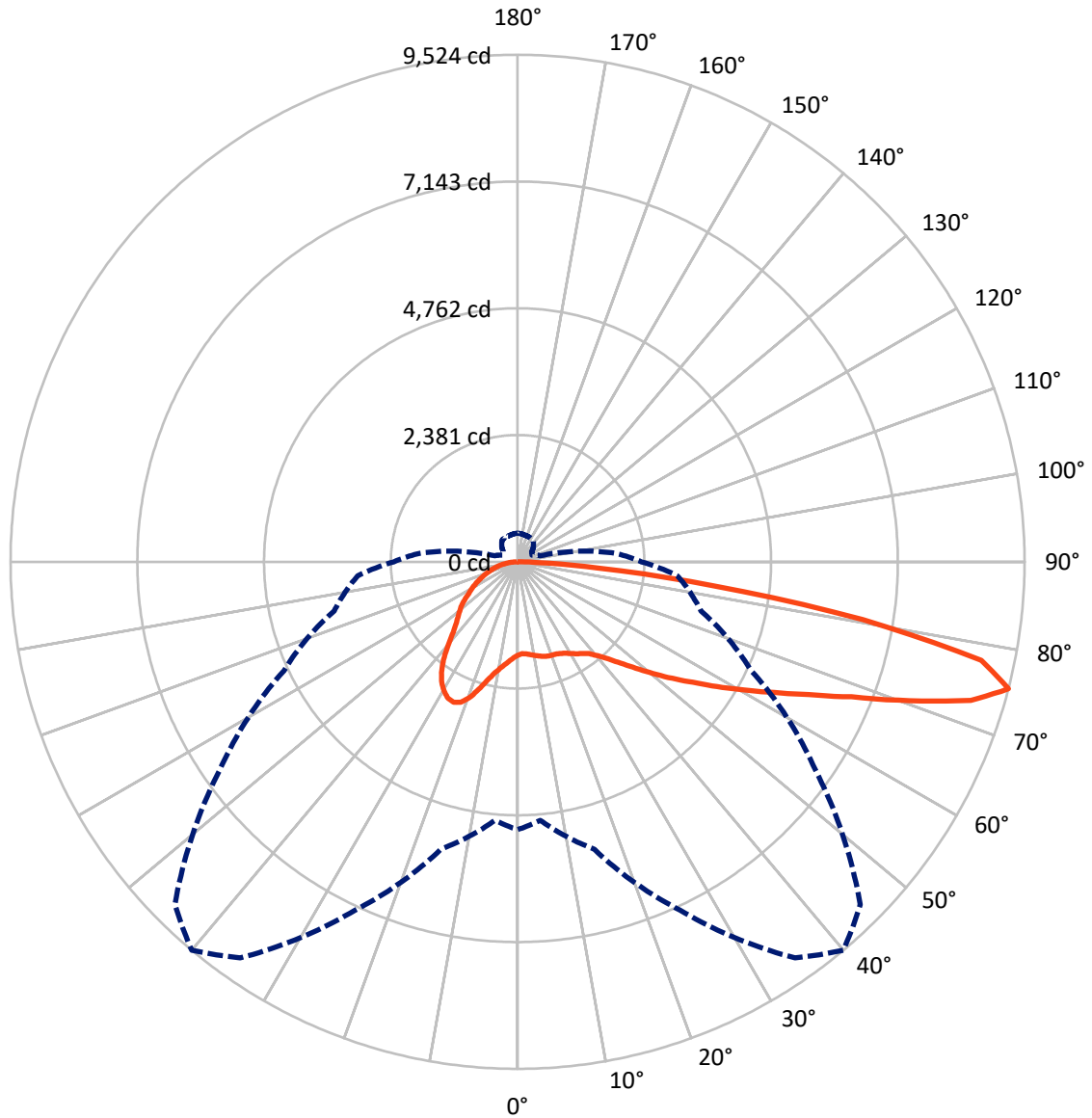
× Max cd  
 - - - 1/2 Max cd



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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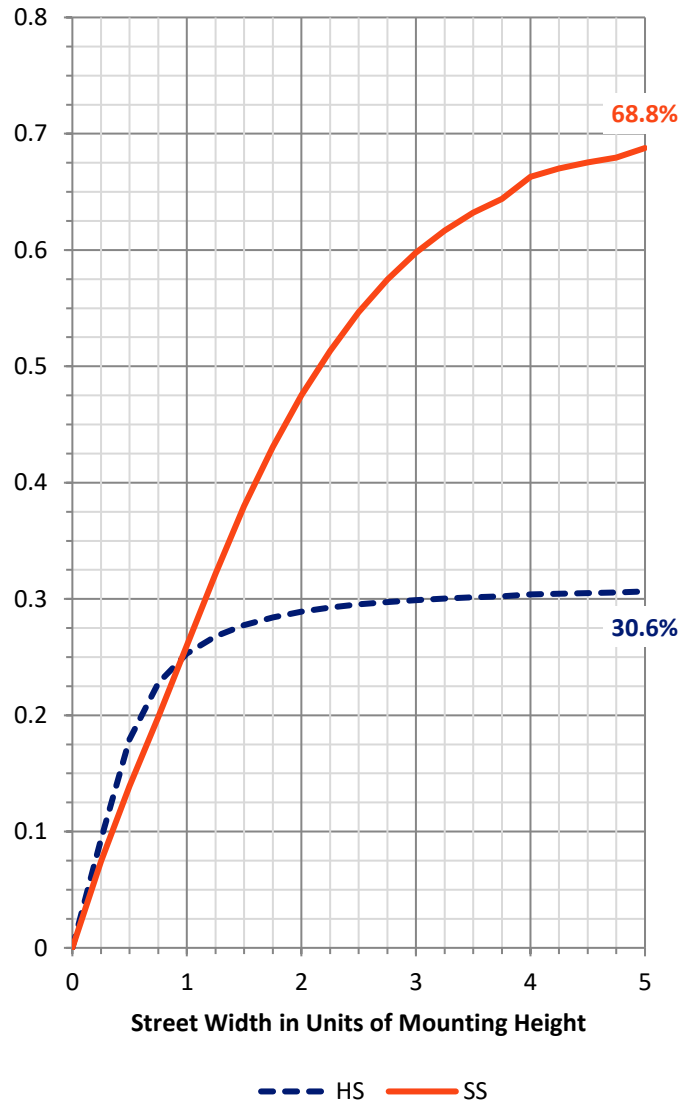
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4741.1	0.0	4741.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	10560.9	0.0	10560.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	15302.0	0.0	15302.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.7	1.1
10°-20°	586.4	3.8
20°-30°	1070.8	7.0
30°-40°	1518.6	9.9
40°-50°	2050.6	13.4
50°-60°	2758.6	18.0
60°-70°	3501.3	22.9
70°-80°	3177.7	20.8
80°-90°	463.2	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°	15302.0	100.0
0°-180°	15302.0	100.0

**Coefficient of Utilization**

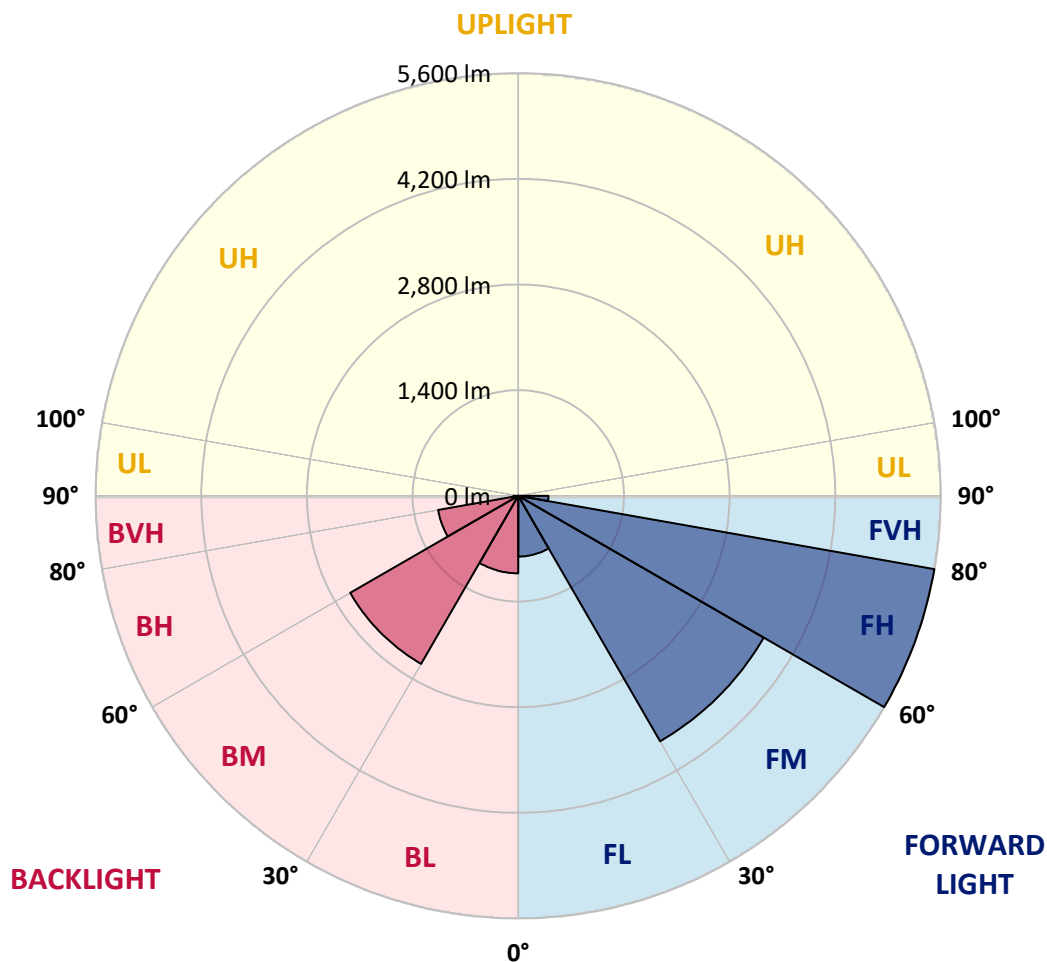


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	804.9	5.3			
FM (30°-60°)	3756.3	24.5			
FH (60°-80°)	5600.3	36.6			G3/7500
FVH (80°-90°)	399.4	2.6			G3/500
BL (0°-30°)	1027.0	6.7	B3/2500		
BM (30°-60°)	2571.6	16.8	B3/5000		
BH (60°-80°)	1078.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	63.8	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°	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8
2.5°	1723.0	1732.8	1730.3	1727.1	1727.1	1727.9	1727.1	1732.8	1738.4	1744.1
5°	1740.9	1750.6	1745.7	1741.7	1738.4	1737.6	1735.2	1734.4	1737.6	1744.9
7.5°	1775.8	1785.5	1778.2	1770.9	1764.4	1761.2	1757.9	1753.1	1750.6	1754.7
10°	1814.7	1824.5	1815.5	1802.6	1792.0	1787.9	1784.7	1779.8	1776.6	1779.0
12.5°	1853.7	1863.4	1851.3	1833.4	1819.6	1817.2	1813.1	1811.5	1810.7	1809.9
15°	1890.2	1898.3	1882.9	1861.8	1847.2	1843.1	1839.1	1841.5	1845.6	1850.4
17.5°	1918.6	1926.7	1904.0	1876.4	1862.6	1861.0	1858.6	1866.7	1878.0	1890.2
20°	1944.6	1952.7	1923.5	1886.2	1869.9	1869.9	1870.7	1887.8	1904.0	1921.9
22.5°	1981.1	1987.6	1951.9	1900.8	1877.2	1878.8	1885.3	1902.4	1922.7	1947.0
25°	2035.5	2040.4	1996.5	1928.4	1901.6	1906.4	1912.1	1920.2	1939.7	1968.1
27.5°	2123.1	2127.2	2069.6	1977.1	1936.5	1944.6	1952.7	1947.0	1955.9	1980.3
30°	2246.5	2248.9	2175.9	2053.3	1995.7	1999.8	2001.4	1977.9	1960.8	1980.3
32.5°	2392.6	2391.8	2304.9	2145.9	2063.1	2059.0	2045.2	1999.0	1959.2	1976.2
35°	2619.0	2610.1	2498.1	2275.7	2139.4	2114.2	2081.7	2022.5	1967.3	1972.2
37.5°	2994.0	2966.4	2811.4	2488.4	2253.0	2188.9	2141.0	2060.6	1985.2	1970.6
40°	3416.8	3381.9	3211.5	2779.7	2423.4	2320.4	2243.3	2115.0	2014.4	1977.9
42.5°	3918.4	3868.9	3685.5	3123.0	2639.3	2490.0	2373.9	2184.0	2057.4	2001.4
45°	4534.4	4468.7	4208.9	3510.2	2911.2	2712.4	2557.3	2288.7	2123.1	2046.8
47.5°	5156.9	5173.1	4803.8	3953.3	3237.5	2986.7	2787.0	2446.2	2218.9	2119.9
50°	5818.3	5829.7	5395.5	4444.3	3607.6	3296.7	3045.1	2622.3	2352.0	2223.8
52.5°	6334.5	6336.1	5932.8	4958.0	3993.1	3637.6	3323.5	2823.5	2506.2	2361.7
55°	6657.5	6653.5	6309.4	5444.2	4436.2	3995.5	3631.9	3052.4	2694.5	2524.1
57.5°	6892.1	6879.9	6569.1	5862.2	4908.5	4418.3	3980.9	3312.1	2916.9	2717.2
60°	6981.4	6974.1	6745.2	6223.3	5405.2	4885.8	4383.4	3602.7	3169.3	2945.3
62.5°	7015.4	7029.2	6918.1	6573.1	5936.8	5403.6	4825.8	3950.0	3453.3	3203.4
65°	7135.6	7160.7	7138.0	7030.9	6537.4	6009.9	5412.5	4363.1	3763.4	3480.1
67.5°	7373.4	7398.5	7408.3	7578.7	7271.1	6765.5	6144.6	4877.7	4126.2	3767.4
70°	7367.7	7360.4	7532.4	8014.5	8189.8	7811.6	7131.5	5510.7	4558.7	4006.0
72.5°	6706.2	6647.8	7054.4	8009.7	8954.4	8904.0	8336.7	6327.2	4932.1	4035.3
75°	5031.1	4875.3	5593.5	7218.3	9081.8	9524.1	9102.9	6833.7	4843.6	3565.3
77.5°	2151.5	1994.9	2841.4	5343.6	8128.1	8903.2	8400.0	5962.0	3866.5	2357.7
80°	563.2	562.4	858.7	2422.6	5527.8	6574.8	5768.0	3850.2	2209.2	842.4
82.5°	232.9	227.2	315.7	942.3	2701.0	3689.5	3011.0	1717.3	797.8	228.1
85°	86.8	86.0	153.4	325.5	952.8	1521.7	1101.3	439.1	198.8	111.2
87.5°	24.3	23.5	33.3	112.8	232.1	352.2	188.3	72.2	56.0	43.8
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°
1749.8	0°	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8	1749.8
1753.1	2.5°	1755.5	1759.5	1766.8	1772.5	1779.8	1787.9	1799.3	1806.6	1813.9	1818.8
1757.1	5°	1762.8	1771.7	1790.4	1809.1	1831.0	1851.3	1874.8	1891.8	1905.6	1909.7
1771.7	7.5°	1779.0	1793.6	1825.3	1856.9	1891.8	1925.1	1959.2	1988.4	2012.0	2020.9
1797.7	10°	1807.4	1826.9	1871.5	1916.2	1962.4	2013.6	2057.4	2099.6	2132.9	2146.7
1828.5	12.5°	1843.1	1867.5	1925.9	1987.6	2051.7	2122.3	2179.1	2231.1	2272.5	2291.1
1871.5	15°	1889.4	1921.1	1995.7	2078.5	2172.6	2270.8	2343.1	2400.7	2447.0	2469.7
1916.2	17.5°	1939.7	1981.9	2076.1	2201.1	2335.8	2464.8	2549.2	2591.4	2639.3	2661.2
1957.6	20°	1988.4	2040.4	2175.1	2356.9	2536.2	2673.4	2741.6	2752.9	2756.2	2758.6
1996.5	22.5°	2038.7	2108.5	2299.3	2553.3	2745.6	2840.6	2850.3	2801.6	2733.5	2701.8
2034.7	25°	2093.9	2186.4	2461.6	2770.0	2925.8	2937.2	2862.5	2744.0	2615.0	2555.7
2065.5	27.5°	2147.5	2276.5	2656.4	2976.9	3055.7	2955.8	2795.1	2627.1	2471.3	2408.8
2087.4	30°	2201.1	2379.6	2871.4	3157.9	3114.9	2909.6	2688.8	2501.3	2344.7	2279.0
2106.9	32.5°	2255.4	2499.7	3119.0	3288.6	3104.4	2811.4	2556.5	2360.1	2222.2	2153.2
2124.0	35°	2317.1	2647.4	3353.5	3360.0	3033.8	2666.9	2382.0	2191.3	2071.2	2016.0
2144.2	37.5°	2397.5	2834.9	3560.5	3377.9	2910.4	2455.1	2165.3	1991.7	1892.6	1867.5
2174.3	40°	2497.3	3060.5	3718.7	3349.5	2727.8	2197.8	1928.4	1789.6	1733.6	1739.3
2214.8	42.5°	2627.1	3312.9	3829.9	3276.4	2473.7	1932.4	1720.6	1658.9	1685.7	1708.4
2275.7	45°	2796.0	3575.1	3898.9	3152.2	2186.4	1707.6	1598.0	1612.6	1632.9	1635.4
2373.9	47.5°	3011.8	3840.5	3944.4	2964.8	1893.5	1549.3	1520.1	1523.4	1519.3	1502.3
2520.8	50°	3281.3	4098.6	3984.9	2716.4	1644.3	1450.3	1411.4	1400.0	1344.0	1288.8
2716.4	52.5°	3588.1	4335.6	4002.0	2408.0	1450.3	1367.5	1304.2	1232.8	1128.1	1111.1
2962.3	55°	3928.9	4554.7	3958.2	2029.0	1287.2	1261.2	1165.5	1079.4	1068.1	1053.5
3286.2	57.5°	4336.4	4790.9	3868.9	1606.2	1120.0	1137.0	1043.7	1053.5	1033.2	1010.4
3702.5	60°	4781.9	5035.2	3712.2	1220.6	947.1	982.0	1012.1	1011.3	1005.6	986.9
4141.6	62.5°	5182.9	5195.8	3403.8	935.0	795.4	861.9	943.9	943.1	938.2	927.7
4600.1	65°	5421.5	5171.5	2889.3	736.1	670.4	762.9	851.4	857.9	858.7	857.9
4945.1	67.5°	5379.3	4886.6	2183.2	586.0	567.3	662.3	759.7	768.6	775.1	776.7
4988.9	70°	4902.0	4260.9	1423.5	467.5	475.6	573.8	672.8	681.7	687.4	693.9
4329.1	72.5°	3821.0	3132.8	814.8	378.2	395.2	497.5	586.8	597.3	600.6	612.8
3012.6	75°	2328.5	1842.3	439.9	297.9	324.6	425.3	501.6	513.7	519.4	534.0
1479.5	77.5°	1107.0	797.8	250.8	232.1	261.3	347.4	423.7	437.5	422.0	430.1
408.2	80°	374.1	296.2	158.3	176.9	199.7	271.1	339.2	353.0	320.6	319.0
135.5	82.5°	130.7	120.1	100.6	117.7	129.0	194.0	256.5	274.3	238.6	237.8
60.9	85°	51.1	48.7	56.0	64.1	77.1	119.3	168.8	177.7	146.9	118.5
17.9	87.5°	10.6	11.4	13.8	14.6	23.5	41.4	60.9	74.7	59.2	50.3
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°
1749.8
1815.5
1911.3
2021.7
2147.5
2291.1
2468.1
2660.4
2765.1
2710.7
2564.6
2416.1
2286.3
2162.1
2028.2
1885.3
1758.7
1729.5
1651.6
1515.3
1296.1
1116.8
1055.9
1006.4
980.4
923.6
857.9
778.3
697.2
617.6
535.7
423.7
315.7
226.4
116.9
46.3
0.0

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