

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: P846743

Luminaire Tested: **GLAN-SB2C-735-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846743  
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-SB2C-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14569 lumens  
Efficiency: N/A  
Efficacy: 144.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

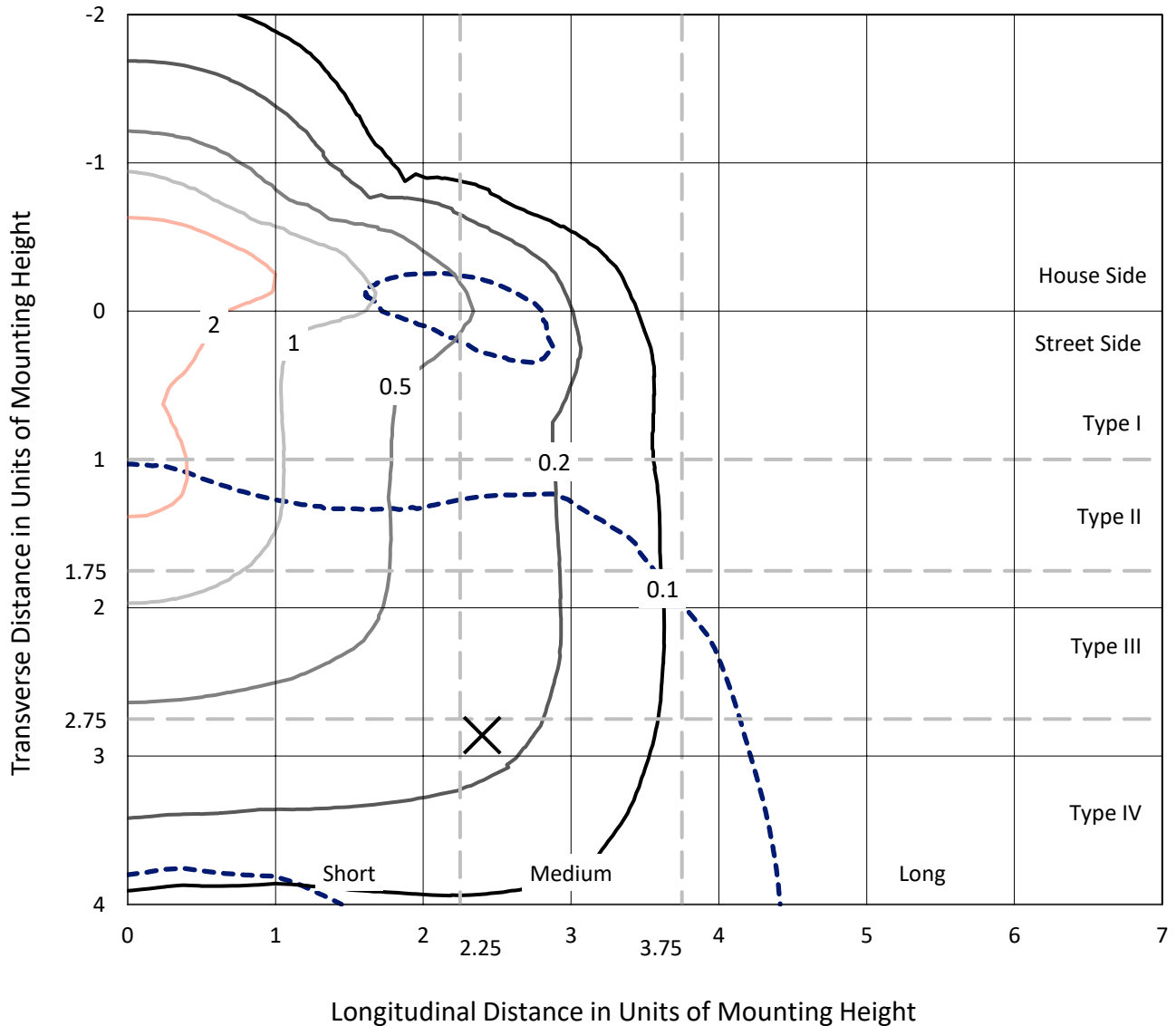
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

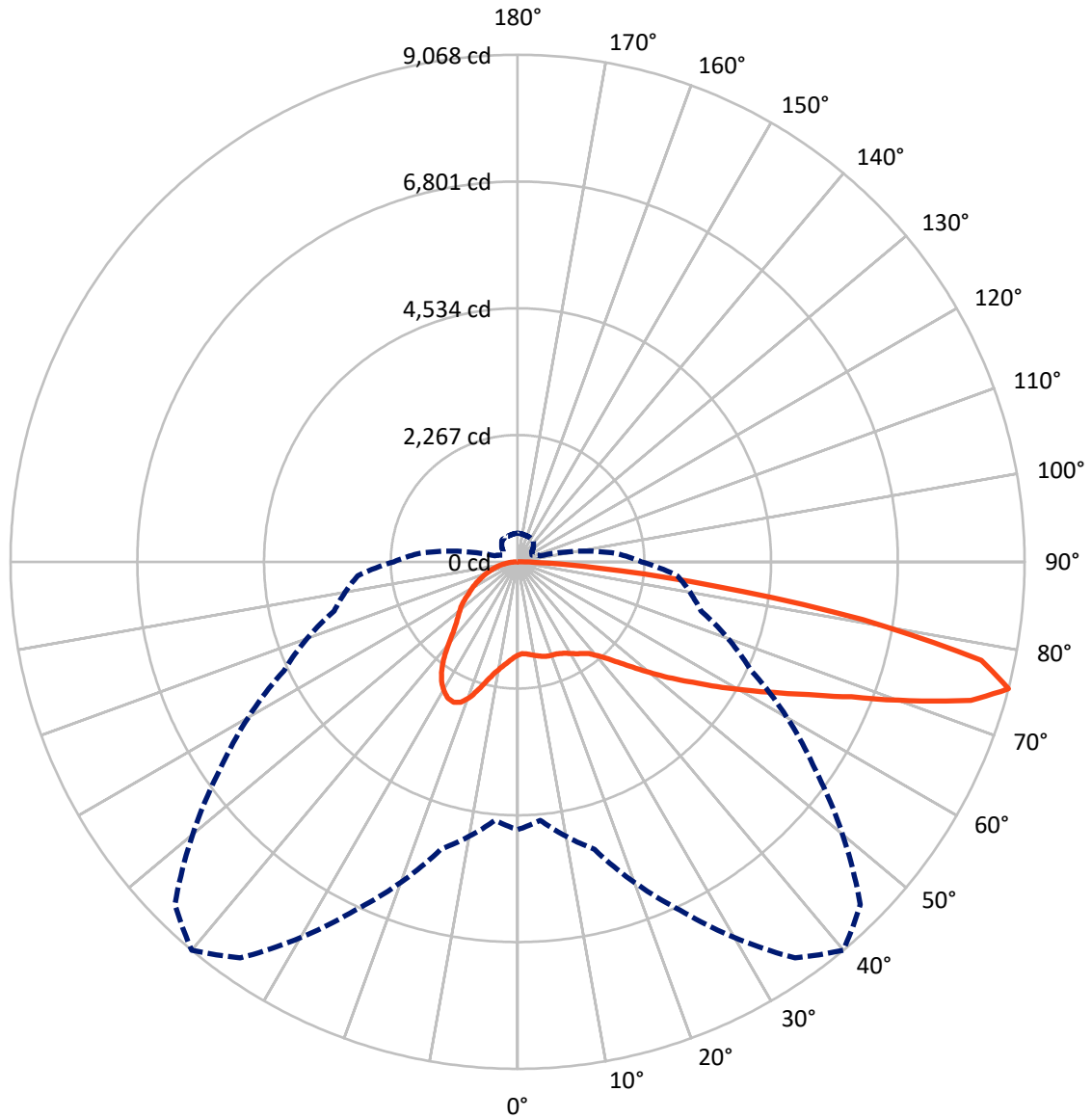
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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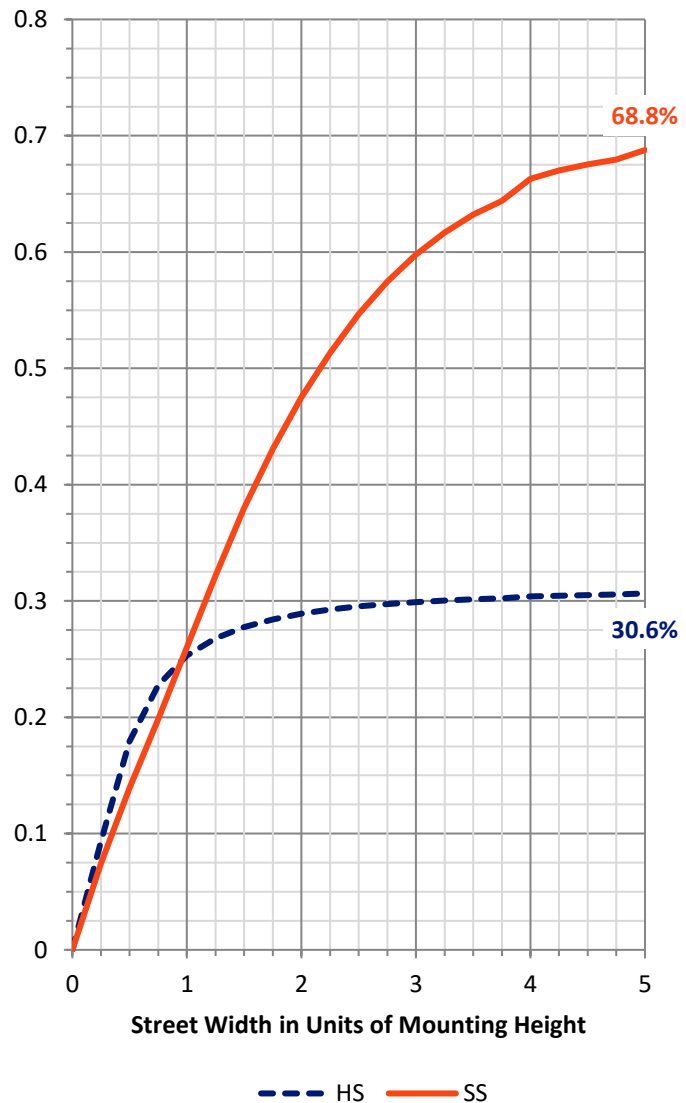
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4514.0	0.0	4514.0
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	10055.0	0.0	10055.0
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	14569.0	0.0	14569.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.3	1.1
10°-20°	558.3	3.8
20°-30°	1019.5	7.0
30°-40°	1445.9	9.9
40°-50°	1952.4	13.4
50°-60°	2626.5	18.0
60°-70°	3333.6	22.9
70°-80°	3025.5	20.8
80°-90°	441.0	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°	14569.0	100.0
0°-180°	14569.0	100.0

**Coefficient of Utilization**

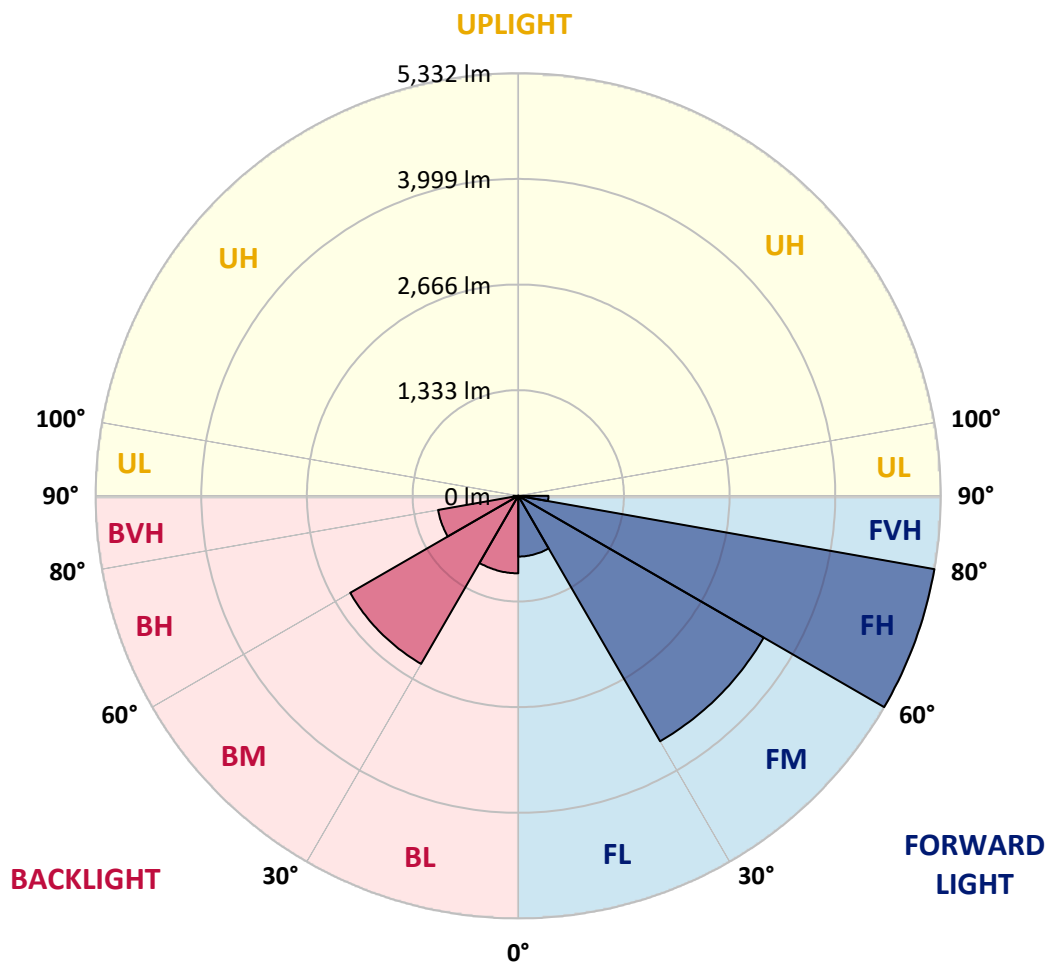


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	766.3	5.3			
FM (30°-60°)	3576.4	24.5			
FH (60°-80°)	5332.0	36.6			G3/7500
FVH (80°-90°)	380.3	2.6			G3/500
BL (0°-30°)	977.8	6.7	B2/1000		
BM (30°-60°)	2448.4	16.8	B2/2500		
BH (60°-80°)	1027.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	60.7	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°	1666.0	1666.0	1666.0	1666.0	1666.0	1666.0	1666.0	1666.0	1666.0	1666.0
2.5°	1640.5	1649.8	1647.4	1644.3	1644.3	1645.1	1644.3	1649.8	1655.2	1660.6
5°	1657.5	1666.8	1662.1	1658.3	1655.2	1654.4	1652.1	1651.3	1654.4	1661.3
7.5°	1690.7	1700.0	1693.0	1686.1	1679.9	1676.8	1673.7	1669.1	1666.8	1670.6
10°	1727.8	1737.1	1728.6	1716.2	1706.2	1702.3	1699.2	1694.6	1691.5	1693.8
12.5°	1764.9	1774.2	1762.6	1745.6	1732.4	1730.1	1726.3	1724.7	1723.9	1723.2
15°	1799.7	1807.4	1792.7	1772.6	1758.7	1754.8	1751.0	1753.3	1757.2	1761.8
17.5°	1826.7	1834.4	1812.8	1786.5	1773.4	1771.8	1769.5	1777.3	1788.1	1799.7
20°	1851.4	1859.2	1831.3	1795.8	1780.3	1780.3	1781.1	1797.3	1812.8	1829.8
22.5°	1886.2	1892.4	1858.4	1809.7	1787.3	1788.8	1795.0	1811.3	1830.6	1853.8
25°	1938.0	1942.6	1900.9	1836.0	1810.5	1815.1	1820.5	1828.3	1846.8	1873.8
27.5°	2021.4	2025.3	1970.4	1882.3	1843.7	1851.4	1859.2	1853.8	1862.3	1885.4
30°	2138.9	2141.2	2071.7	1955.0	1900.1	1904.0	1905.5	1883.1	1866.9	1885.4
32.5°	2278.0	2277.2	2194.5	2043.1	1964.3	1960.4	1947.3	1903.2	1865.3	1881.6
35°	2493.6	2485.1	2378.4	2166.7	2036.9	2012.9	1982.0	1925.6	1873.1	1877.7
37.5°	2850.6	2824.3	2676.7	2369.2	2145.1	2084.0	2038.4	1961.9	1890.1	1876.2
40°	3253.2	3219.9	3057.7	2646.6	2307.3	2209.2	2135.8	2013.7	1917.9	1883.1
42.5°	3730.7	3683.6	3508.9	2973.4	2512.9	2370.7	2260.2	2079.4	1958.8	1905.5
45°	4317.2	4254.6	4007.3	3342.0	2771.7	2582.4	2434.8	2179.1	2021.4	1948.8
47.5°	4909.9	4925.3	4573.7	3763.9	3082.4	2843.6	2653.5	2329.0	2112.6	2018.3
50°	5539.6	5550.4	5137.0	4231.4	3434.7	3138.8	2899.2	2496.7	2239.3	2117.3
52.5°	6031.1	6032.6	5648.6	4720.5	3801.8	3463.3	3164.3	2688.3	2386.2	2248.6
55°	6338.6	6334.8	6007.1	5183.4	4223.7	3804.1	3457.9	2906.2	2565.4	2403.2
57.5°	6561.9	6550.3	6254.4	5581.4	4673.4	4206.7	3790.2	3153.5	2777.2	2587.1
60°	6646.9	6640.0	6422.1	5925.2	5146.3	4651.8	4173.5	3430.1	3017.5	2804.2
62.5°	6679.4	6692.5	6586.7	6258.3	5652.4	5144.8	4594.6	3760.8	3287.9	3049.9
65°	6793.8	6817.7	6796.1	6694.1	6224.3	5722.0	5153.3	4154.1	3583.1	3313.4
67.5°	7020.2	7044.1	7053.4	7215.7	6922.8	6441.4	5850.3	4644.0	3928.5	3587.0
70°	7014.8	7007.8	7171.6	7630.6	7797.5	7437.4	6789.9	5246.8	4340.4	3814.1
72.5°	6385.0	6329.4	6716.5	7626.0	8525.4	8477.5	7937.4	6024.1	4695.8	3842.0
75°	4790.1	4641.7	5325.6	6872.6	8646.7	9067.9	8666.8	6506.3	4611.6	3394.6
77.5°	2048.5	1899.3	2705.3	5087.6	7738.8	8476.7	7997.7	5676.4	3681.2	2244.8
80°	536.3	535.5	817.5	2306.6	5263.0	6259.8	5491.7	3665.8	2103.3	802.1
82.5°	221.8	216.4	300.6	897.1	2571.6	3512.8	2866.8	1635.1	759.6	217.1
85°	82.7	81.9	146.0	309.9	907.2	1448.9	1048.6	418.0	189.3	105.9
87.5°	23.2	22.4	31.7	107.4	221.0	335.4	179.3	68.8	53.3	41.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846743  
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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1666.0	0°	1666.0	1666.0	1666.0	1666.0	1666.0	1666.0	1666.0	1666.0	1666.0	1666.0
1669.1	2.5°	1671.4	1675.3	1682.2	1687.6	1694.6	1702.3	1713.1	1720.1	1727.0	1731.7
1672.9	5°	1678.3	1686.8	1704.6	1722.4	1743.3	1762.6	1785.0	1801.2	1814.3	1818.2
1686.8	7.5°	1693.8	1707.7	1737.8	1768.0	1801.2	1832.9	1865.3	1893.2	1915.6	1924.1
1711.6	10°	1720.8	1739.4	1781.9	1824.4	1868.4	1917.1	1958.8	1999.0	2030.7	2043.8
1740.9	12.5°	1754.8	1778.0	1833.7	1892.4	1953.4	2020.7	2074.8	2124.2	2163.6	2181.4
1781.9	15°	1798.9	1829.0	1900.1	1978.9	2068.6	2162.1	2230.8	2285.7	2329.8	2351.4
1824.4	17.5°	1846.8	1887.0	1976.6	2095.6	2223.9	2346.8	2427.1	2467.3	2512.9	2533.7
1863.8	20°	1893.2	1942.6	2070.9	2244.0	2414.8	2545.3	2610.2	2621.1	2624.2	2626.5
1900.9	22.5°	1941.1	2007.5	2189.1	2431.0	2614.1	2704.5	2713.8	2667.4	2602.5	2572.4
1937.2	25°	1993.6	2081.7	2343.7	2637.3	2785.7	2796.5	2725.4	2612.6	2489.7	2433.3
1966.6	27.5°	2044.6	2167.5	2529.1	2834.3	2909.3	2814.2	2661.2	2501.3	2352.9	2293.4
1987.4	30°	2095.6	2265.6	2733.9	3006.7	2965.7	2770.2	2560.0	2381.5	2232.4	2169.8
2006.0	32.5°	2147.4	2380.0	2969.6	3131.1	2955.7	2676.7	2434.1	2247.1	2115.7	2050.0
2022.2	35°	2206.1	2520.6	3192.9	3199.1	2888.4	2539.2	2267.9	2086.3	1972.0	1919.4
2041.5	37.5°	2282.6	2699.1	3389.9	3216.1	2771.0	2337.5	2061.6	1896.3	1802.0	1778.0
2070.1	40°	2377.7	2913.9	3540.6	3189.0	2597.1	2092.5	1836.0	1703.8	1650.5	1655.9
2108.8	42.5°	2501.3	3154.2	3646.5	3119.5	2355.3	1839.8	1638.2	1579.4	1604.9	1626.6
2166.7	45°	2662.0	3403.8	3712.1	3001.2	2081.7	1625.8	1521.5	1535.4	1554.7	1557.0
2260.2	47.5°	2867.6	3656.5	3755.4	2822.7	1802.8	1475.1	1447.3	1450.4	1446.5	1430.3
2400.1	50°	3124.1	3902.2	3794.1	2586.3	1565.5	1380.9	1343.8	1332.9	1279.6	1227.1
2586.3	52.5°	3416.2	4127.9	3810.3	2292.7	1380.9	1302.0	1241.8	1173.8	1074.1	1057.9
2820.4	55°	3740.7	4336.5	3768.6	1931.8	1225.5	1200.8	1109.6	1027.7	1016.9	1003.0
3128.7	57.5°	4128.6	4561.4	3683.6	1529.2	1066.4	1082.6	993.7	1003.0	983.7	962.0
3525.1	60°	4552.9	4794.0	3534.4	1162.2	901.8	935.0	963.6	962.8	957.4	939.6
3943.2	62.5°	4934.6	4947.0	3240.8	890.2	757.3	820.6	898.7	897.9	893.3	883.2
4379.8	65°	5161.8	4923.8	2750.9	700.9	638.3	726.4	810.6	816.8	817.5	816.8
4708.2	67.5°	5121.6	4652.5	2078.6	557.9	540.1	630.5	723.3	731.8	737.9	739.5
4749.9	70°	4667.2	4056.8	1355.4	445.1	452.8	546.3	640.6	649.1	654.5	660.7
4121.7	72.5°	3638.0	2982.7	775.8	360.1	376.3	473.7	558.7	568.7	571.8	583.4
2868.3	75°	2216.9	1754.1	418.8	283.6	309.1	404.9	477.5	489.1	494.5	508.4
1408.7	77.5°	1054.0	759.6	238.8	221.0	248.8	330.7	403.4	416.5	401.8	409.5
388.7	80°	356.2	282.0	150.7	168.5	190.1	258.1	323.0	336.1	305.2	303.7
129.0	82.5°	124.4	114.4	95.8	112.0	122.9	184.7	244.2	261.2	227.2	226.4
58.0	85°	48.7	46.4	53.3	61.0	73.4	113.6	160.7	169.2	139.9	112.8
17.0	87.5°	10.0	10.8	13.1	13.9	22.4	39.4	58.0	71.1	56.4	47.9
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°
1666.0
1728.6
1819.8
1924.8
2044.6
2181.4
2349.8
2533.0
2632.7
2580.9
2441.8
2300.4
2176.8
2058.5
1931.0
1795.0
1674.5
1646.7
1572.5
1442.7
1234.0
1063.3
1005.3
958.2
933.4
879.4
816.8
741.0
663.8
588.0
510.0
403.4
300.6
215.6
111.3
44.0
0.0

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