

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: P848533

Luminaire Tested: **GLAN-SB5A-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848533
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-SB5A-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 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: 14465 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

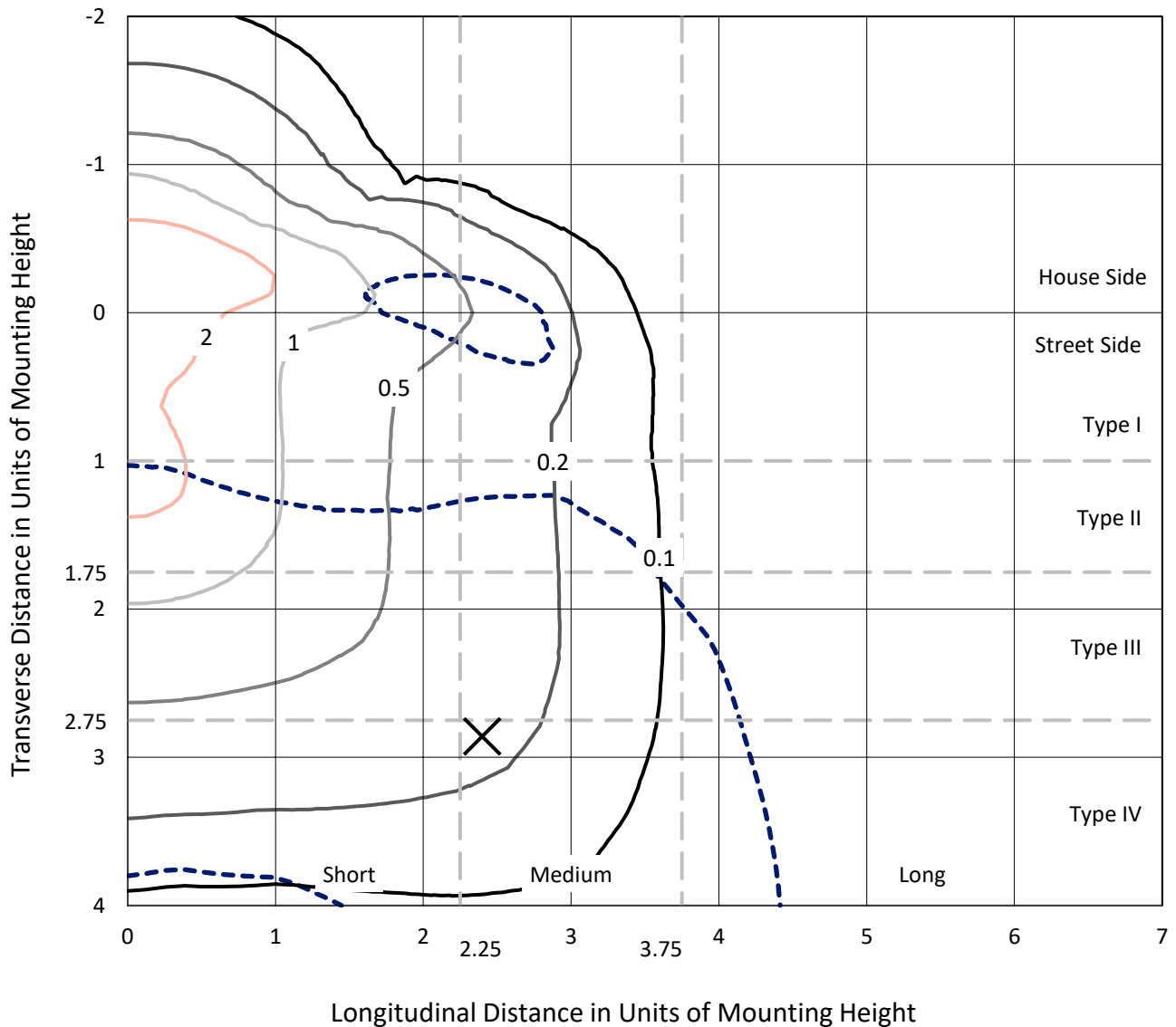
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

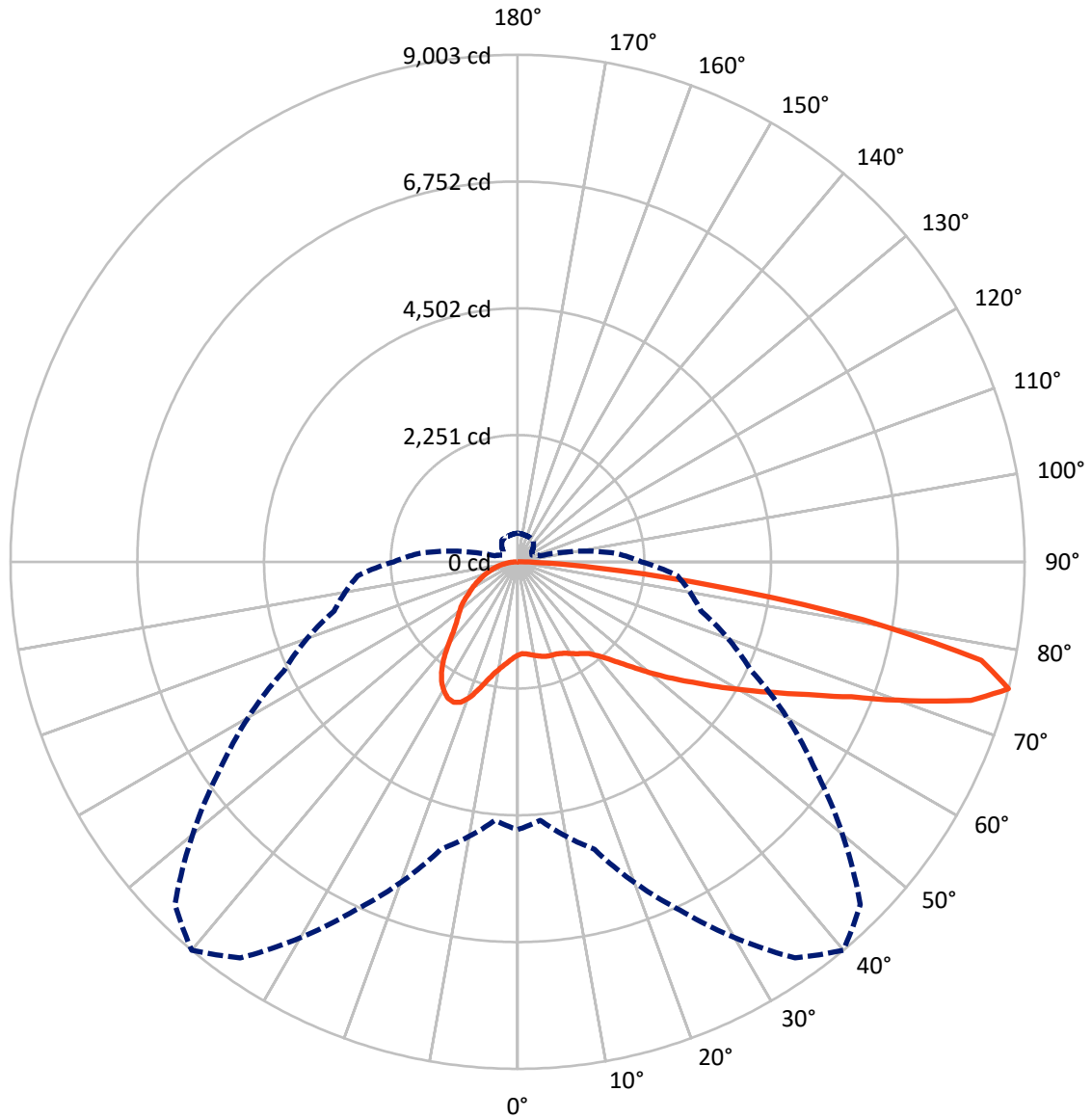
× Max cd
 - - - 1/2 Max cd



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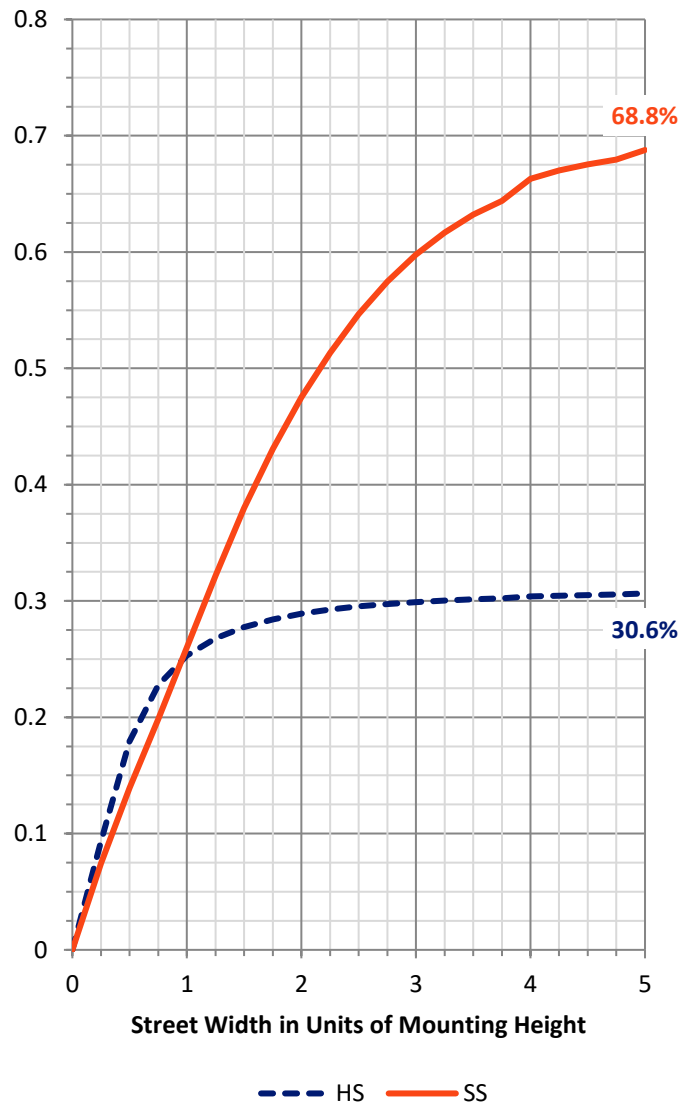
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4481.7	0.0	4481.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	9983.3	0.0	9983.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	14465.0	0.0	14465.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.1	1.1
10°-20°	554.4	3.8
20°-30°	1012.2	7.0
30°-40°	1435.6	9.9
40°-50°	1938.5	13.4
50°-60°	2607.7	18.0
60°-70°	3309.8	22.9
70°-80°	3003.9	20.8
80°-90°	437.9	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°	14465.0	100.0
0°-180°	14465.0	100.0

Coefficient of Utilization

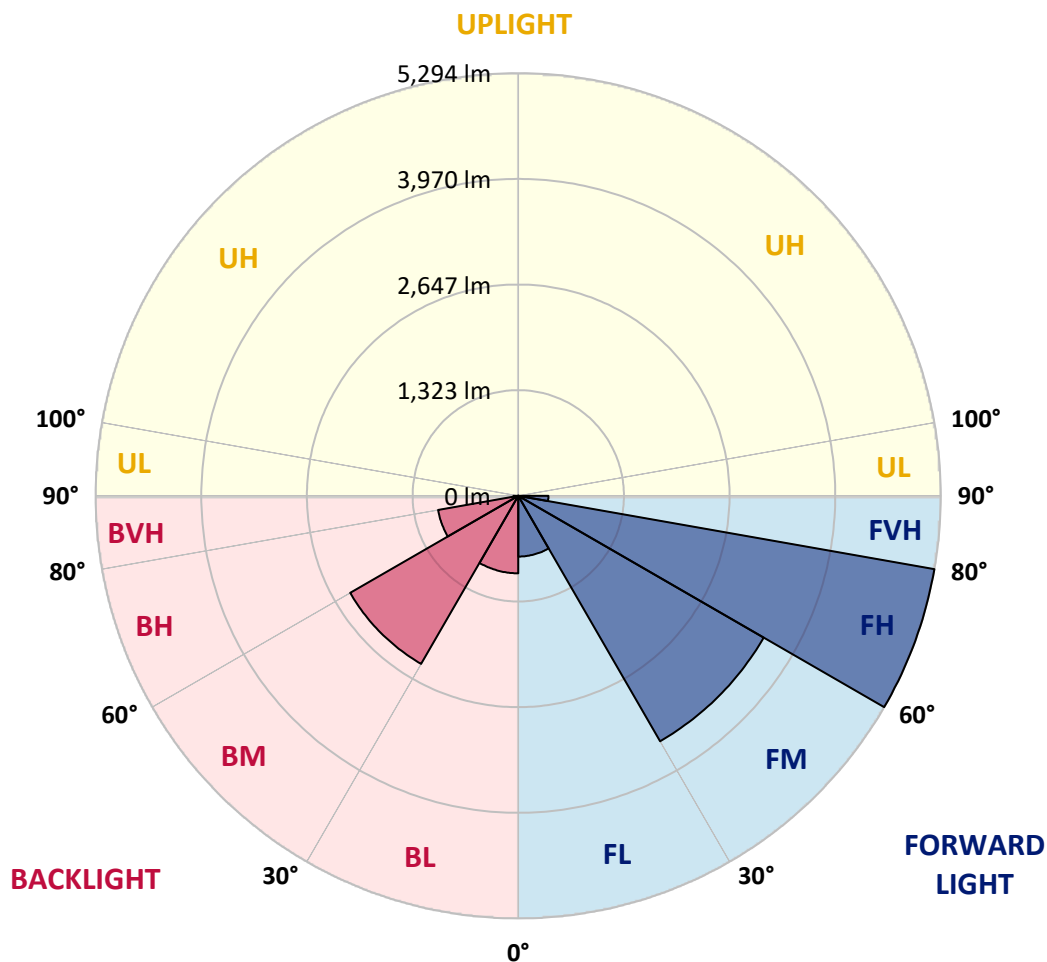


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	760.9	5.3			
FM (30°-60°)	3550.8	24.5			
FH (60°-80°)	5294.0	36.6			G3/7500
FVH (80°-90°)	377.6	2.6			G3/500
BL (0°-30°)	970.8	6.7	B2/1000		
BM (30°-60°)	2430.9	16.8	B2/2500		
BH (60°-80°)	1019.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	60.3	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°	1654.1	1654.1	1654.1	1654.1	1654.1	1654.1	1654.1	1654.1	1654.1	1654.1
2.5°	1628.8	1638.0	1635.7	1632.6	1632.6	1633.4	1632.6	1638.0	1643.4	1648.7
5°	1645.7	1654.9	1650.3	1646.4	1643.4	1642.6	1640.3	1639.5	1642.6	1649.5
7.5°	1678.6	1687.8	1680.9	1674.0	1667.9	1664.8	1661.8	1657.2	1654.9	1658.7
10°	1715.5	1724.7	1716.2	1704.0	1694.0	1690.2	1687.1	1682.5	1679.4	1681.7
12.5°	1752.3	1761.5	1750.0	1733.1	1720.1	1717.8	1713.9	1712.4	1711.6	1710.9
15°	1786.8	1794.5	1779.9	1760.0	1746.2	1742.3	1738.5	1740.8	1744.6	1749.2
17.5°	1813.7	1821.3	1799.9	1773.8	1760.7	1759.2	1756.9	1764.6	1775.3	1786.8
20°	1838.2	1845.9	1818.3	1783.0	1767.6	1767.6	1768.4	1784.5	1799.9	1816.7
22.5°	1872.7	1878.9	1845.1	1796.8	1774.5	1776.1	1782.2	1798.3	1817.5	1840.5
25°	1924.1	1928.8	1887.3	1822.9	1797.6	1802.2	1807.5	1815.2	1833.6	1860.5
27.5°	2007.0	2010.8	1956.4	1868.9	1830.5	1838.2	1845.9	1840.5	1849.0	1872.0
30°	2123.6	2125.9	2056.9	1941.0	1886.6	1890.4	1891.9	1869.7	1853.6	1872.0
32.5°	2261.7	2261.0	2178.9	2028.5	1950.2	1946.4	1933.4	1889.6	1852.0	1868.1
35°	2475.8	2467.3	2361.5	2151.2	2022.3	1998.6	1967.9	1911.9	1859.7	1864.3
37.5°	2830.2	2804.1	2657.6	2352.2	2129.8	2069.1	2023.9	1947.9	1876.6	1862.8
40°	3229.9	3196.9	3035.8	2627.7	2290.9	2193.4	2120.6	1999.3	1904.2	1869.7
42.5°	3704.1	3657.3	3483.9	2952.2	2494.9	2353.8	2244.1	2064.5	1944.9	1891.9
45°	4286.4	4224.2	3978.7	3318.2	2752.0	2564.0	2417.5	2163.5	2007.0	1934.9
47.5°	4874.8	4890.2	4541.1	3737.1	3060.4	2823.3	2634.6	2312.4	2097.5	2003.9
50°	5500.1	5510.8	5100.4	4201.2	3410.2	3116.4	2878.5	2478.8	2223.4	2102.1
52.5°	5988.0	5989.6	5608.3	4686.8	3774.6	3438.6	3141.7	2669.1	2369.1	2232.6
55°	6293.4	6289.5	5964.2	5146.4	4193.5	3776.9	3433.2	2885.5	2547.1	2386.0
57.5°	6515.1	6503.6	6209.7	5541.5	4640.1	4176.7	3763.1	3131.0	2757.3	2568.6
60°	6599.5	6592.6	6376.2	5882.9	5109.6	4618.6	4143.7	3405.6	2995.9	2784.2
62.5°	6631.7	6644.8	6539.6	6213.6	5612.1	5108.0	4561.8	3734.0	3264.5	3028.2
65°	6745.3	6769.0	6747.6	6646.3	6179.8	5681.1	5116.5	4124.5	3557.5	3289.8
67.5°	6970.0	6993.8	7003.0	7164.2	6873.4	6395.4	5808.5	4610.9	3900.5	3561.4
70°	6964.7	6957.8	7120.4	7576.1	7741.9	7384.3	6741.4	5209.3	4309.4	3786.9
72.5°	6339.4	6284.2	6668.5	7571.5	8464.6	8417.0	7880.7	5981.1	4662.3	3814.5
75°	4755.9	4608.6	5287.6	6823.5	8585.0	9003.1	8605.0	6459.9	4578.7	3370.3
77.5°	2033.9	1885.8	2686.0	5051.3	7683.5	8416.2	7940.6	5635.9	3655.0	2228.7
80°	532.4	531.7	811.7	2290.1	5225.4	6215.1	5452.5	3639.6	2088.3	796.4
82.5°	220.2	214.8	298.4	890.7	2553.3	3487.7	2846.3	1623.4	754.2	215.6
85°	82.1	81.3	145.0	307.6	900.7	1438.5	1041.1	415.1	188.0	105.1
87.5°	23.0	22.2	31.5	106.6	219.4	333.0	178.0	68.3	52.9	41.4
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°
1654.1	0°	1654.1	1654.1	1654.1	1654.1	1654.1	1654.1	1654.1	1654.1	1654.1	1654.1
1657.2	2.5°	1659.5	1663.3	1670.2	1675.6	1682.5	1690.2	1700.9	1707.8	1714.7	1719.3
1661.0	5°	1666.4	1674.8	1692.5	1710.1	1730.8	1750.0	1772.2	1788.4	1801.4	1805.2
1674.8	7.5°	1681.7	1695.5	1725.4	1755.4	1788.4	1819.8	1852.0	1879.7	1901.9	1910.3
1699.4	10°	1708.6	1727.0	1769.2	1811.4	1855.1	1903.4	1944.9	1984.8	2016.2	2029.3
1728.5	12.5°	1742.3	1765.3	1820.6	1878.9	1939.5	2006.2	2059.9	2109.0	2148.2	2165.8
1769.2	15°	1786.1	1816.0	1886.6	1964.8	2053.8	2146.6	2214.9	2269.4	2313.1	2334.6
1811.4	17.5°	1833.6	1873.5	1962.5	2080.7	2208.0	2330.0	2409.8	2449.7	2494.9	2515.7
1850.5	20°	1879.7	1928.8	2056.1	2228.0	2397.5	2527.2	2591.6	2602.4	2605.4	2607.7
1887.3	22.5°	1927.2	1993.2	2173.5	2413.6	2595.5	2685.2	2694.4	2648.4	2583.9	2554.0
1923.4	25°	1979.4	2066.8	2326.9	2618.5	2765.8	2776.5	2705.9	2593.9	2471.9	2415.9
1952.5	27.5°	2030.0	2152.0	2511.1	2814.1	2888.5	2794.2	2642.3	2483.4	2336.1	2277.1
1973.2	30°	2080.7	2249.4	2714.4	2985.2	2944.5	2750.4	2541.7	2364.5	2216.5	2154.3
1991.7	32.5°	2132.1	2363.0	2948.4	3108.7	2934.6	2657.6	2416.7	2231.0	2100.6	2035.4
2007.8	35°	2190.4	2502.6	3170.1	3176.2	2867.8	2521.0	2251.7	2071.5	1957.9	1905.7
2027.0	37.5°	2266.3	2679.8	3365.7	3193.1	2751.2	2320.8	2046.9	1882.7	1789.1	1765.3
2055.3	40°	2360.7	2893.1	3515.3	3166.3	2578.6	2077.6	1822.9	1691.7	1638.7	1644.1
2093.7	42.5°	2483.4	3131.7	3620.4	3097.2	2338.4	1826.7	1626.5	1568.2	1593.5	1615.0
2151.2	45°	2643.0	3379.5	3685.6	2979.8	2066.8	1614.2	1510.6	1524.4	1543.6	1545.9
2244.1	47.5°	2847.1	3630.4	3728.6	2802.6	1789.9	1464.6	1437.0	1440.0	1436.2	1420.1
2382.9	50°	3101.8	3874.4	3767.0	2567.8	1554.4	1371.0	1334.2	1323.4	1270.5	1218.3
2567.8	52.5°	3391.8	4098.4	3783.1	2276.3	1371.0	1292.7	1232.9	1165.4	1066.4	1050.3
2800.3	55°	3714.0	4305.5	3741.7	1918.0	1216.8	1192.2	1101.7	1020.4	1009.6	995.8
3106.4	57.5°	4099.2	4528.8	3657.3	1518.3	1058.7	1074.9	986.6	995.8	976.7	955.2
3500.0	60°	4520.4	4759.7	3509.2	1153.9	895.3	928.3	956.7	955.9	950.6	932.9
3915.0	62.5°	4899.4	4911.6	3217.7	883.8	751.9	814.8	892.3	891.5	886.9	876.9
4348.5	65°	5124.9	4888.6	2731.2	695.9	633.7	721.2	804.8	810.9	811.7	810.9
4674.6	67.5°	5085.0	4619.3	2063.8	553.9	536.3	626.0	718.1	726.5	732.7	734.2
4716.0	70°	4633.9	4027.8	1345.7	441.9	449.6	542.4	636.0	644.5	649.8	656.0
4092.3	72.5°	3612.0	2961.4	770.3	357.5	373.6	470.3	554.7	564.7	567.7	579.2
2847.9	75°	2201.1	1741.6	415.8	281.6	306.9	402.0	474.1	485.6	491.0	504.8
1398.6	77.5°	1046.5	754.2	237.1	219.4	247.0	328.4	400.5	413.5	398.9	406.6
385.9	80°	353.7	280.0	149.6	167.3	188.7	256.2	320.7	333.7	303.0	301.5
128.1	82.5°	123.5	113.5	95.1	111.2	122.0	183.4	242.4	259.3	225.6	224.8
57.5	85°	48.3	46.0	52.9	60.6	72.9	112.8	159.6	168.0	138.9	112.0
16.9	87.5°	10.0	10.7	13.0	13.8	22.2	39.1	57.5	70.6	56.0	47.6
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°
1654.1
1716.2
1806.8
1911.1
2030.0
2165.8
2333.1
2514.9
2613.9
2562.5
2424.4
2284.0
2161.2
2043.8
1917.2
1782.2
1662.5
1634.9
1561.3
1432.4
1225.2
1055.7
998.1
951.3
926.8
873.1
810.9
735.7
659.0
583.8
506.4
400.5
298.4
214.0
110.5
43.7
0.0

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