

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: P848543

Luminaire Tested: **GLAN-SB5A-930-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848543  
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-930-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 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: 15154 lumens  
Efficiency: N/A  
Efficacy: 106.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

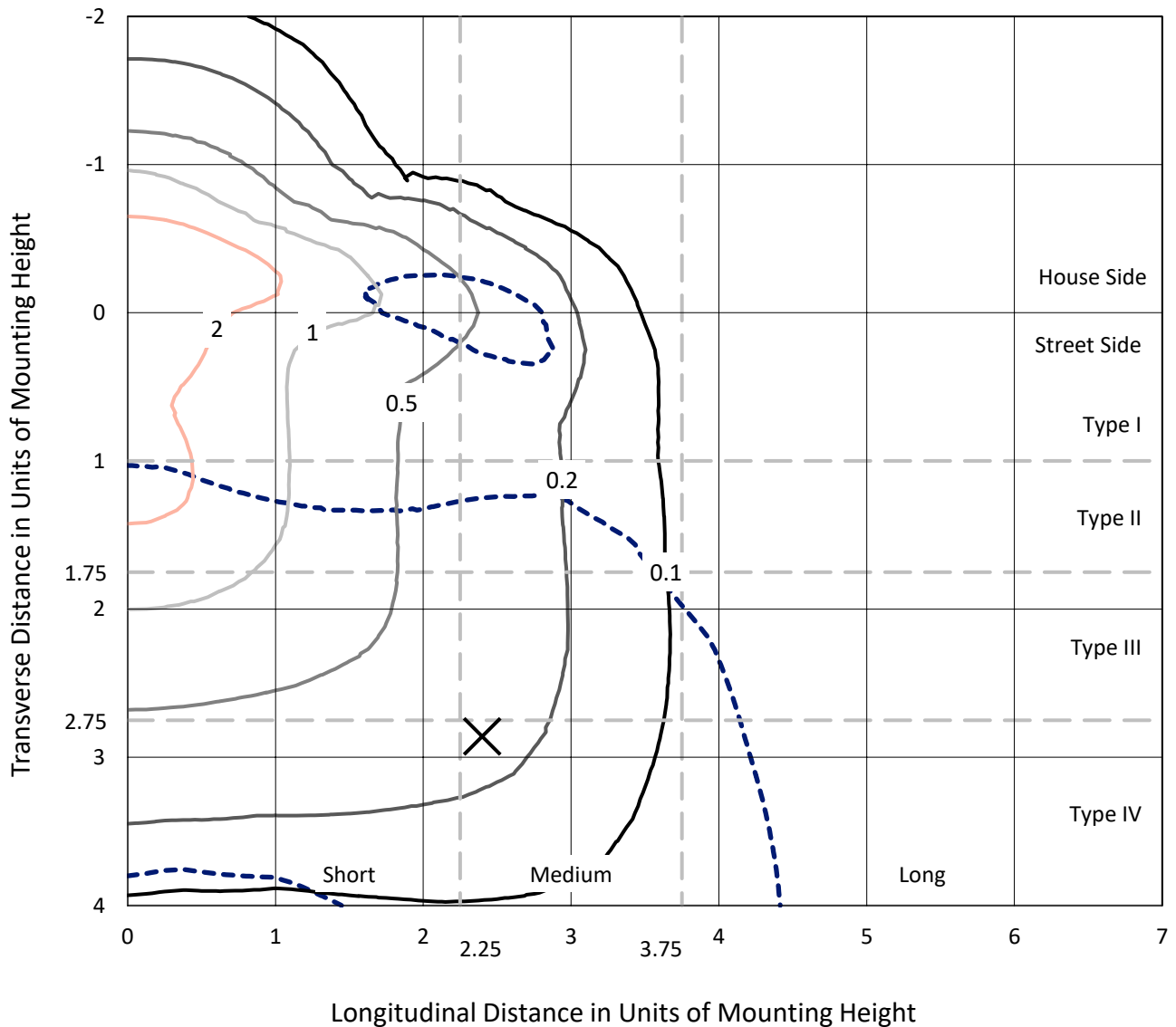
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

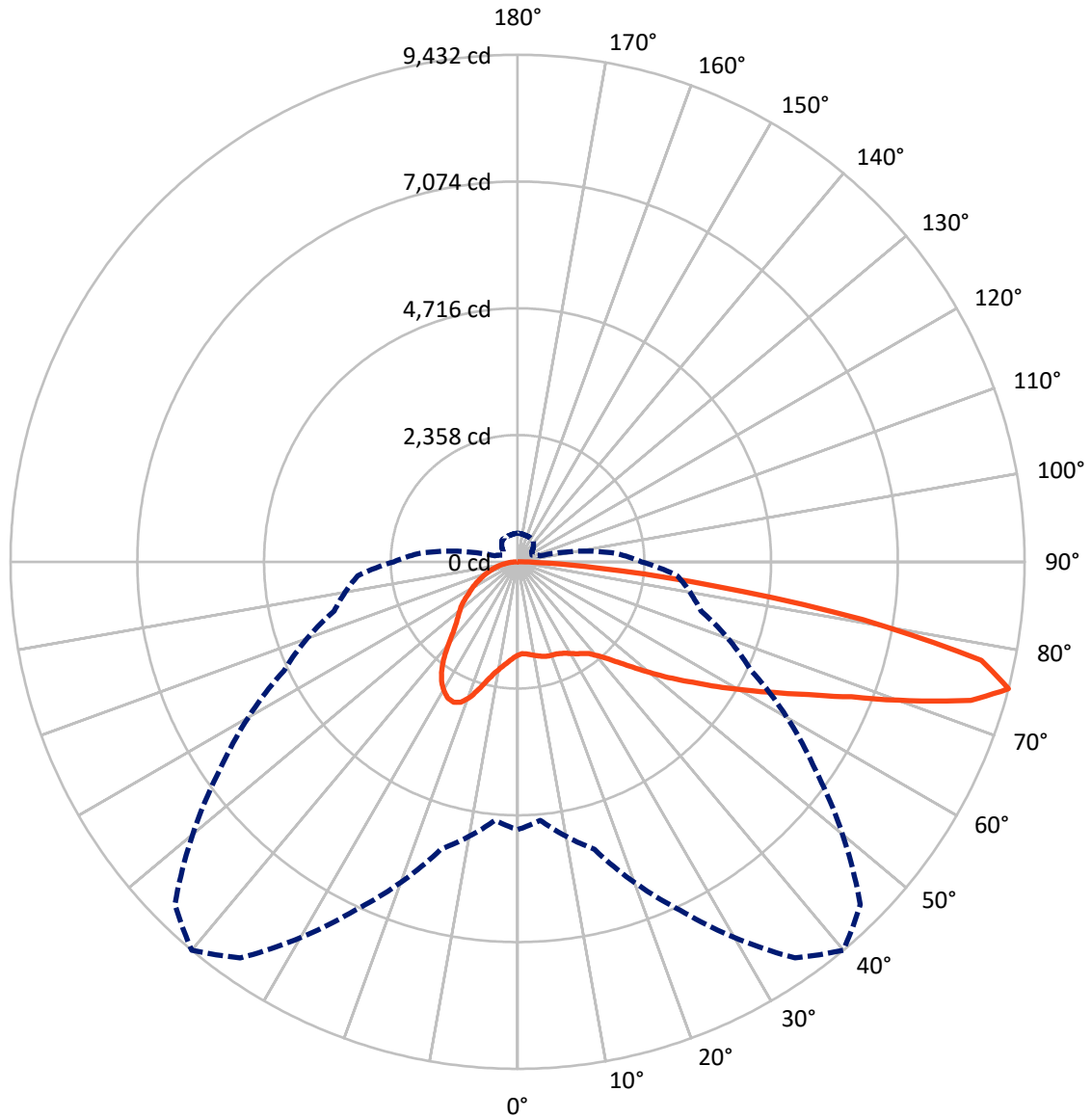
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	4695.2	0.0	4695.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	10458.8	0.0	10458.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	15154.0	0.0	15154.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	173.0	1.1
10°-20°	580.8	3.8
20°-30°	1060.4	7.0
30°-40°	1503.9	9.9
40°-50°	2030.8	13.4
50°-60°	2732.0	18.0
60°-70°	3467.5	22.9
70°-80°	3147.0	20.8
80°-90°	458.7	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°	15154.0	100.0
0°-180°	15154.0	100.0

**Coefficient of Utilization**

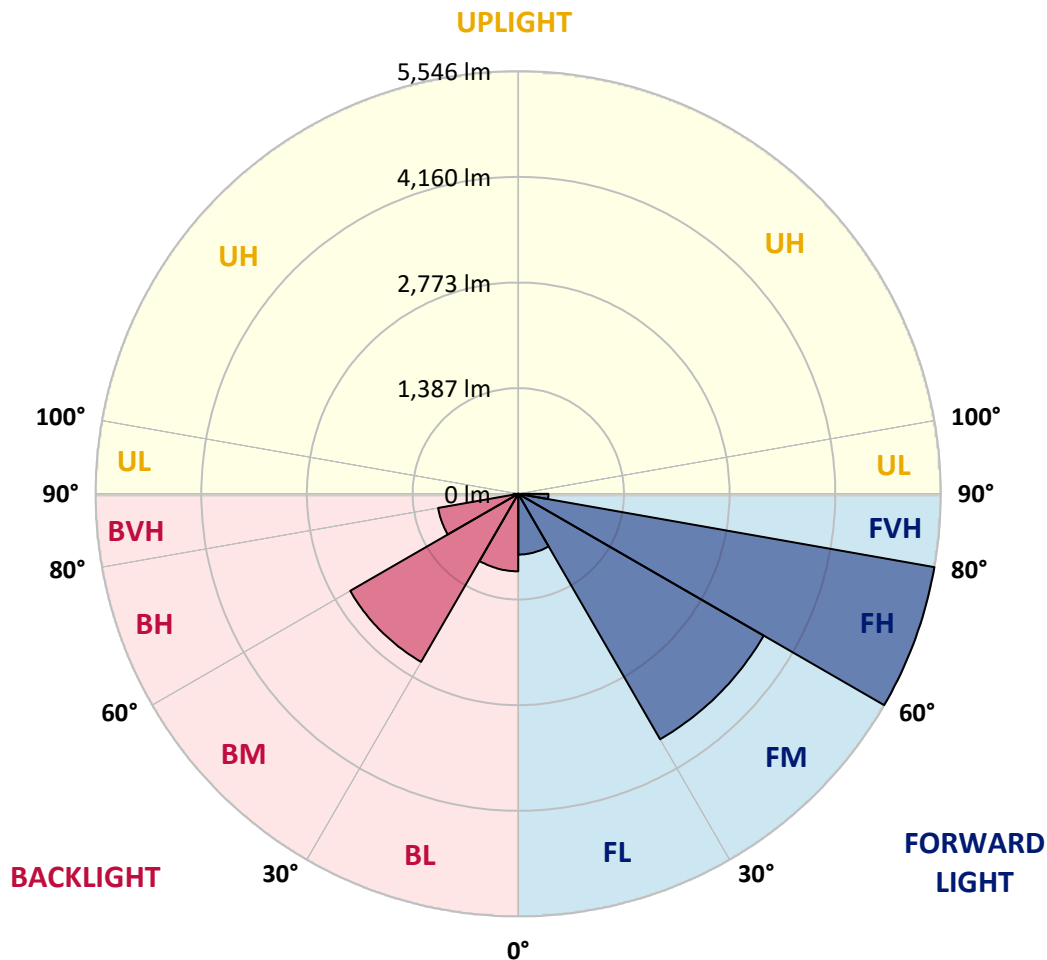


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	797.1	5.3			
FM (30°-60°)	3720.0	24.5			
FH (60°-80°)	5546.1	36.6			G3/7500
FVH (80°-90°)	395.6	2.6			G3/500
BL (0°-30°)	1017.0	6.7	B3/2500		
BM (30°-60°)	2546.7	16.8	B3/5000		
BH (60°-80°)	1068.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	63.2	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°	1732.9	1732.9	1732.9	1732.9	1732.9	1732.9	1732.9	1732.9	1732.9	1732.9
2.5°	1706.4	1716.0	1713.6	1710.4	1710.4	1711.2	1710.4	1716.0	1721.6	1727.3
5°	1724.0	1733.7	1728.9	1724.8	1721.6	1720.8	1718.4	1717.6	1720.8	1728.1
7.5°	1758.6	1768.2	1761.0	1753.8	1747.3	1744.1	1740.9	1736.1	1733.7	1737.7
10°	1797.2	1806.8	1798.0	1785.1	1774.7	1770.7	1767.4	1762.6	1759.4	1761.8
12.5°	1835.8	1845.4	1833.3	1815.7	1802.0	1799.6	1795.6	1794.0	1793.2	1792.4
15°	1871.9	1880.0	1864.7	1843.8	1829.3	1825.3	1821.3	1823.7	1827.7	1832.5
17.5°	1900.1	1908.1	1885.6	1858.3	1844.6	1843.0	1840.6	1848.6	1859.9	1871.9
20°	1925.8	1933.8	1904.9	1867.9	1851.8	1851.8	1852.6	1869.5	1885.6	1903.3
22.5°	1961.9	1968.4	1933.0	1882.4	1859.1	1860.7	1867.1	1884.0	1904.1	1928.2
25°	2015.8	2020.6	1977.2	1909.7	1883.2	1888.0	1893.6	1901.7	1921.0	1949.1
27.5°	2102.6	2106.6	2049.6	1957.9	1917.7	1925.8	1933.8	1928.2	1937.0	1961.1
30°	2224.8	2227.2	2154.8	2033.5	1976.4	1980.4	1982.0	1958.7	1941.9	1961.1
32.5°	2369.4	2368.6	2282.6	2125.1	2043.1	2039.1	2025.4	1979.6	1940.2	1957.1
35°	2593.7	2584.9	2473.9	2253.7	2118.7	2093.8	2061.6	2002.9	1948.3	1953.1
37.5°	2965.0	2937.7	2784.2	2464.3	2231.2	2167.7	2120.3	2040.7	1966.0	1951.5
40°	3383.8	3349.2	3180.4	2752.8	2400.0	2297.9	2221.6	2094.6	1994.9	1958.7
42.5°	3880.5	3831.5	3649.8	3092.8	2613.8	2465.9	2351.0	2162.9	2037.5	1982.0
45°	4490.5	4425.4	4168.2	3476.2	2883.0	2686.1	2532.6	2266.6	2102.6	2027.1
47.5°	5107.0	5123.1	4757.4	3915.1	3206.1	2957.8	2760.1	2422.5	2197.4	2099.4
50°	5762.1	5773.3	5343.3	4401.3	3572.7	3264.8	3015.7	2596.9	2329.3	2202.3
52.5°	6273.3	6274.9	5875.4	4910.1	3954.4	3602.4	3291.3	2796.2	2482.0	2338.9
55°	6593.1	6589.1	6248.3	5391.5	4393.3	3956.9	3596.8	3022.9	2668.4	2499.7
57.5°	6825.4	6813.4	6505.5	5805.5	4861.1	4375.6	3942.4	3280.1	2888.7	2690.9
60°	6913.8	6906.6	6679.9	6163.1	5353.0	4838.6	4341.0	3567.8	3138.6	2916.8
62.5°	6947.6	6961.3	6851.1	6509.6	5879.4	5351.4	4779.1	3911.8	3419.9	3172.4
65°	7066.5	7091.5	7069.0	6962.9	6474.2	5951.8	5360.2	4320.9	3727.0	3446.5
67.5°	7302.0	7327.0	7336.6	7505.4	7200.8	6700.0	6085.2	4830.5	4086.3	3731.0
70°	7296.4	7289.2	7459.6	7937.0	8110.6	7736.1	7062.5	5457.4	4514.7	3967.3
72.5°	6641.4	6583.5	6986.2	7932.2	8867.7	8817.9	8256.1	6266.0	4884.4	3996.2
75°	4982.4	4828.1	5539.4	7148.5	8993.9	9432.0	9014.8	6767.6	4796.8	3530.9
77.5°	2130.7	1975.6	2813.9	5291.9	8049.5	8817.1	8318.8	5904.3	3829.1	2334.9
80°	557.8	557.0	850.4	2399.2	5474.3	6511.2	5712.2	3813.0	2187.8	834.3
82.5°	230.7	225.0	312.7	933.2	2674.9	3653.8	2981.9	1700.7	790.1	225.9
85°	86.0	85.2	151.9	322.3	943.6	1507.0	1090.7	434.8	196.9	110.1
87.5°	24.1	23.3	33.0	111.7	229.9	348.8	186.5	71.5	55.5	43.4
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°
1732.9	0°	1732.9	1732.9	1732.9	1732.9	1732.9	1732.9	1732.9	1732.9	1732.9	1732.9
1736.1	2.5°	1738.5	1742.5	1749.8	1755.4	1762.6	1770.7	1781.9	1789.1	1796.4	1801.2
1740.1	5°	1745.7	1754.6	1773.1	1791.6	1813.3	1833.3	1856.7	1873.5	1887.2	1891.2
1754.6	7.5°	1761.8	1776.3	1807.6	1839.0	1873.5	1906.5	1940.2	1969.2	1992.5	2001.3
1780.3	10°	1789.9	1809.2	1853.4	1897.6	1943.5	1994.1	2037.5	2079.3	2112.2	2125.9
1810.8	12.5°	1825.3	1849.4	1907.3	1968.4	2031.9	2101.8	2158.1	2209.5	2250.5	2269.0
1853.4	15°	1871.1	1902.5	1976.4	2058.4	2151.6	2248.9	2320.4	2377.5	2423.3	2445.8
1897.6	17.5°	1921.0	1962.8	2056.0	2179.8	2313.2	2441.0	2524.6	2566.4	2613.8	2635.5
1938.6	20°	1969.2	2020.6	2154.0	2334.1	2511.7	2647.5	2715.1	2726.3	2729.5	2731.9
1977.2	22.5°	2019.0	2088.1	2277.0	2528.6	2719.1	2813.1	2822.8	2774.5	2707.0	2675.7
2015.0	25°	2073.7	2165.3	2437.8	2743.2	2897.5	2908.8	2834.8	2717.5	2589.7	2531.0
2045.5	27.5°	2126.7	2254.5	2630.7	2948.1	3026.1	2927.2	2768.1	2601.7	2447.4	2385.5
2067.2	30°	2179.8	2356.6	2843.7	3127.4	3084.8	2881.4	2662.8	2477.2	2322.0	2256.9
2086.5	32.5°	2233.6	2475.5	3088.8	3256.8	3074.3	2784.2	2531.8	2337.3	2200.7	2132.3
2103.4	35°	2294.7	2621.8	3321.1	3327.5	3004.4	2641.1	2359.0	2170.1	2051.2	1996.5
2123.5	37.5°	2374.3	2807.5	3526.0	3345.2	2882.2	2431.3	2144.4	1972.4	1874.3	1849.4
2153.2	40°	2473.1	3030.9	3682.8	3317.1	2701.4	2176.5	1909.7	1772.3	1716.8	1722.4
2193.4	42.5°	2601.7	3280.9	3792.9	3244.7	2449.8	1913.7	1703.9	1642.9	1669.4	1691.9
2253.7	45°	2768.9	3540.5	3861.2	3121.8	2165.3	1691.1	1582.6	1597.0	1617.1	1619.6
2351.0	47.5°	2982.7	3803.3	3906.2	2936.1	1875.1	1534.4	1505.4	1508.6	1504.6	1487.7
2496.4	50°	3249.6	4058.9	3946.4	2690.1	1628.4	1436.3	1397.7	1386.5	1331.0	1276.4
2690.1	52.5°	3553.4	4293.6	3963.3	2384.7	1436.3	1354.3	1291.6	1220.9	1117.2	1100.3
2933.7	55°	3890.9	4510.6	3919.9	2009.4	1274.7	1249.0	1154.2	1069.0	1057.7	1043.3
3254.4	57.5°	4294.4	4744.5	3831.5	1590.6	1109.2	1126.1	1033.6	1043.3	1023.2	1000.7
3666.7	60°	4735.7	4986.5	3676.3	1208.8	938.0	972.5	1002.3	1001.5	995.8	977.4
4101.5	62.5°	5132.7	5145.6	3370.9	925.9	787.7	853.6	934.8	934.0	929.1	918.7
4555.6	65°	5369.0	5121.5	2861.3	729.0	663.9	755.5	843.1	849.6	850.4	849.6
4897.2	67.5°	5327.2	4839.4	2162.1	580.3	561.8	655.9	752.3	761.1	767.6	769.2
4940.6	70°	4854.6	4219.7	1409.8	463.0	471.0	568.2	666.3	675.1	680.8	687.2
4287.2	72.5°	3784.0	3102.5	807.0	374.5	391.4	492.7	581.1	591.6	594.8	606.8
2983.5	75°	2306.0	1824.5	435.6	295.0	321.5	421.2	496.7	508.8	514.4	528.9
1465.2	77.5°	1096.3	790.1	248.4	229.9	258.8	344.0	419.6	433.2	417.9	426.0
404.3	80°	370.5	293.4	156.7	175.2	197.7	268.5	336.0	349.6	317.5	315.9
134.2	82.5°	129.4	119.0	99.7	116.5	127.8	192.1	254.0	271.7	236.3	235.5
60.3	85°	50.6	48.2	55.5	63.5	76.4	118.2	167.2	176.0	145.5	117.3
17.7	87.5°	10.4	11.3	13.7	14.5	23.3	41.0	60.3	73.9	58.7	49.8
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°
1732.9
1798.0
1892.8
2002.1
2126.7
2269.0
2444.2
2634.7
2738.4
2684.5
2539.8
2392.8
2264.2
2141.2
2008.6
1867.1
1741.7
1712.8
1635.6
1500.6
1283.6
1106.0
1045.7
996.6
970.9
914.7
849.6
770.8
690.4
611.7
530.5
419.6
312.7
224.2
115.7
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