

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: P852617

Luminaire Tested: **GLAN-SB5A-927-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852617  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14423 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

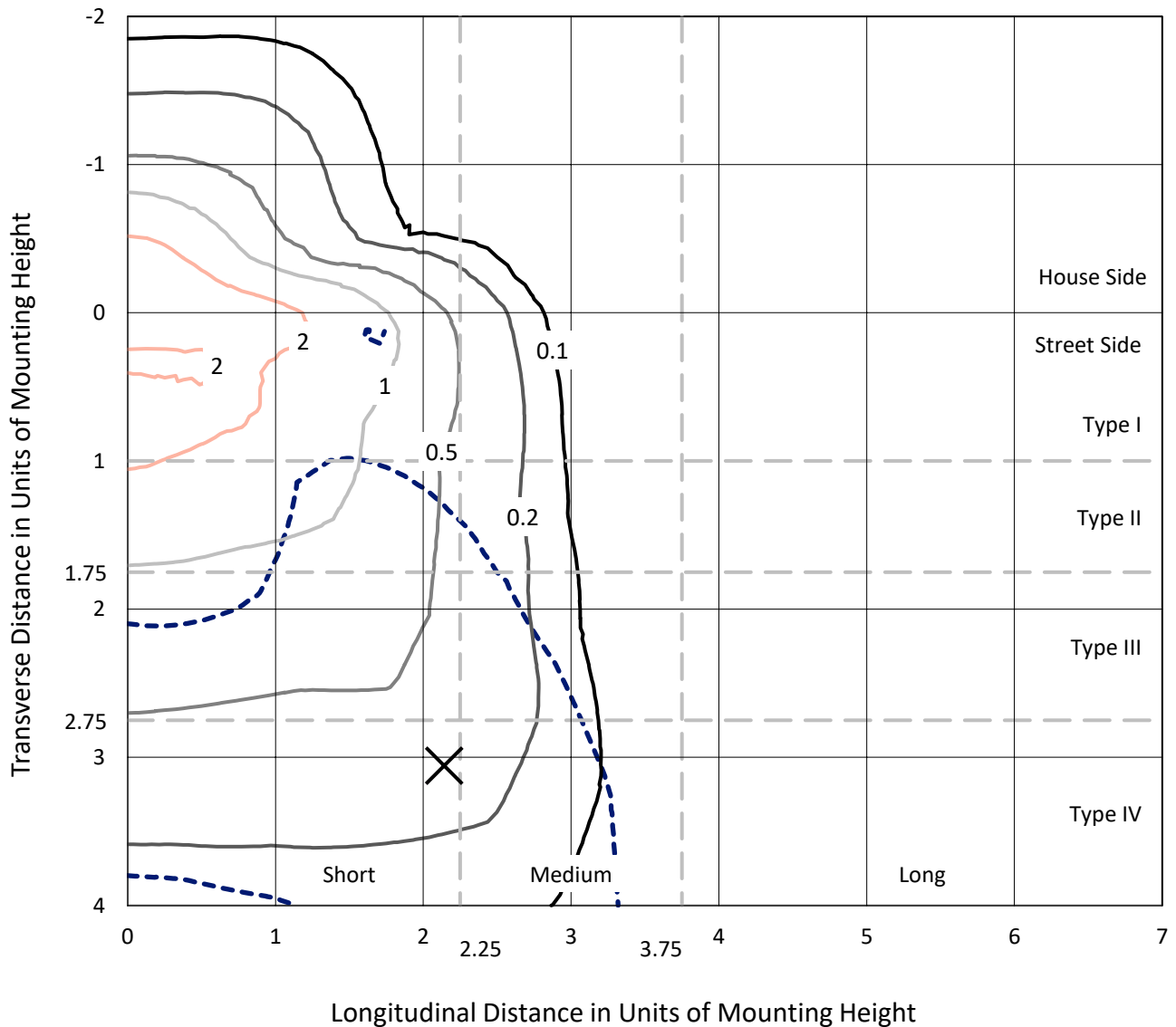
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

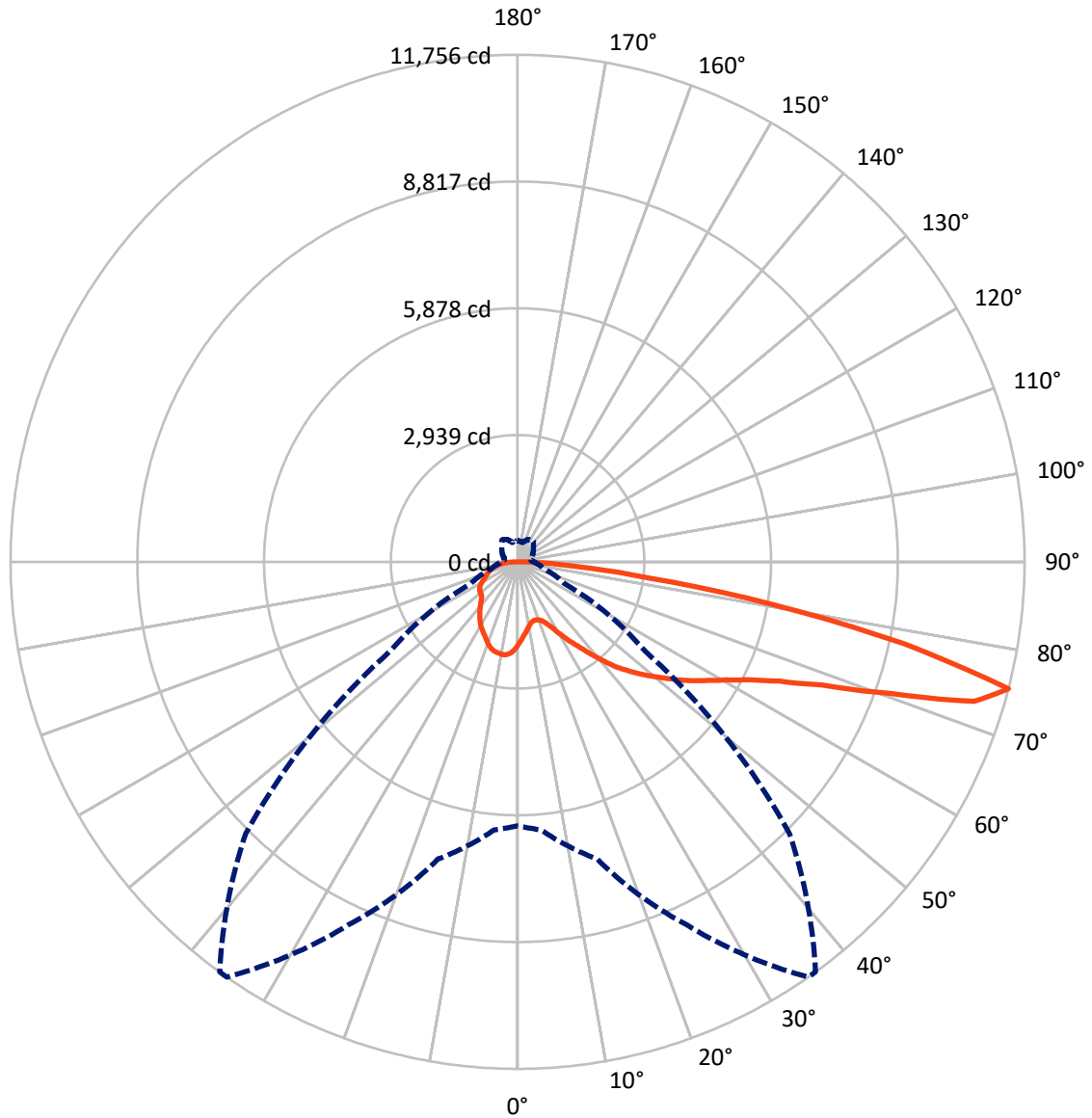
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3432.3	0.0	3432.3
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	10990.7	0.0	10990.7
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	14423.0	0.0	14423.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.0	1.3
10°-20°	524.9	3.6
20°-30°	881.4	6.1
30°-40°	1369.8	9.5
40°-50°	2033.2	14.1
50°-60°	2807.0	19.5
60°-70°	3405.5	23.6
70°-80°	2814.4	19.5
80°-90°	404.8	2.8
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°	14423.0	100.0
0°-180°	14423.0	100.0

**Coefficient of Utilization**

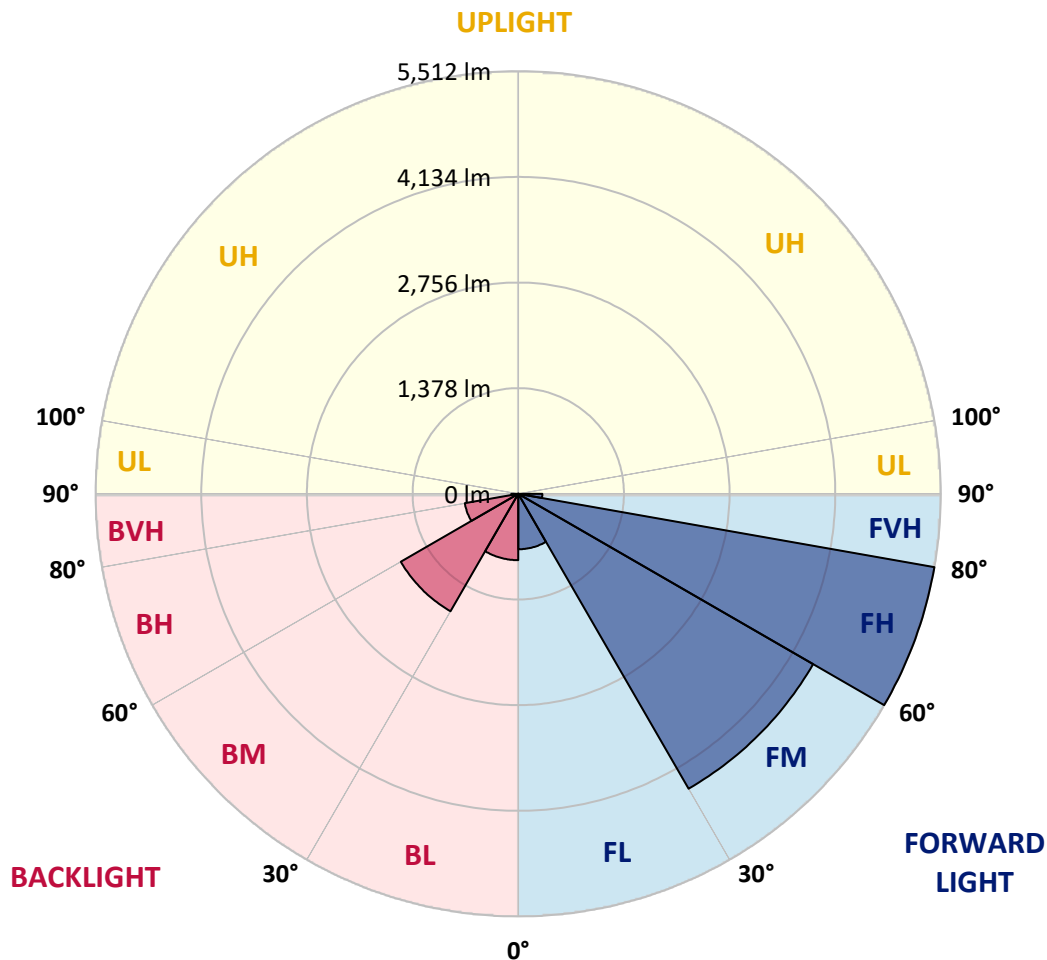


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	723.3	5.0			
FM (30°-60°)	4441.5	30.8			
FH (60°-80°)	5512.3	38.2			G3/7500
FVH (80°-90°)	313.6	2.2			G3/500
BL (0°-30°)	865.0	6.0	B2/1000		
BM (30°-60°)	1768.5	12.3	B2/2500		
BH (60°-80°)	707.6	4.9	B2/1000		G2/1000
BVH (80°-90°)	91.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1922.0	1922.0	1922.0	1922.0	1922.0	1922.0	1922.0	1922.0	1922.0	1922.0
2.5°	1772.3	1783.2	1787.9	1785.5	1797.2	1795.7	1812.0	1832.3	1860.4	1887.7
5°	1635.8	1647.5	1657.6	1667.0	1689.6	1696.6	1722.4	1761.3	1812.8	1865.0
7.5°	1508.7	1518.9	1534.5	1551.6	1589.8	1596.8	1639.7	1700.5	1772.3	1848.7
10°	1405.0	1415.2	1431.5	1451.0	1498.6	1507.2	1561.7	1642.8	1736.4	1833.1
12.5°	1360.6	1363.7	1373.1	1392.5	1433.9	1439.3	1499.4	1592.1	1701.3	1821.4
15°	1358.2	1364.5	1365.3	1375.4	1409.7	1412.0	1467.4	1559.4	1679.5	1819.0
17.5°	1381.6	1386.3	1379.3	1385.5	1414.4	1418.3	1461.9	1543.8	1672.5	1829.2
20°	1444.0	1447.9	1426.9	1418.3	1439.3	1442.4	1485.3	1553.9	1679.5	1850.2
22.5°	1576.6	1578.9	1527.4	1492.3	1493.9	1495.5	1532.9	1595.3	1706.8	1888.4
25°	1783.2	1781.6	1699.7	1631.9	1592.9	1584.4	1609.3	1662.3	1752.8	1939.1
27.5°	2024.9	2013.2	1931.3	1830.0	1745.0	1732.5	1727.0	1749.6	1818.3	2006.2
30°	2297.8	2286.9	2198.8	2066.2	1948.5	1928.2	1876.7	1865.0	1915.7	2097.4
32.5°	2597.2	2590.2	2484.9	2324.3	2166.8	2143.4	2056.9	2025.7	2065.4	2235.4
35°	2848.2	2842.0	2754.7	2589.4	2396.8	2368.0	2279.8	2244.8	2265.0	2412.4
37.5°	3075.1	3072.0	2997.2	2867.0	2668.1	2633.0	2534.0	2522.3	2518.4	2645.5
40°	3285.7	3277.9	3199.9	3131.3	2983.9	2951.9	2864.6	2854.5	2824.9	2932.5
42.5°	3518.8	3498.5	3385.5	3353.5	3313.7	3287.2	3235.0	3236.5	3171.0	3256.0
45°	3709.0	3697.3	3581.2	3562.5	3605.3	3594.4	3639.6	3651.3	3524.2	3595.2
47.5°	3913.3	3902.4	3804.2	3790.9	3907.1	3910.2	4070.0	4073.9	3868.9	3947.6
50°	4165.2	4149.6	4052.1	4068.5	4198.7	4210.4	4502.8	4476.3	4186.2	4305.5
52.5°	4331.2	4340.6	4319.5	4346.1	4523.8	4534.7	4928.5	4860.7	4500.4	4658.7
55°	4453.7	4472.4	4537.9	4598.7	4866.9	4877.8	5330.0	5226.3	4760.9	4986.2
57.5°	4611.2	4584.6	4707.1	4825.6	5192.8	5221.7	5720.7	5578.8	4991.6	5268.4
60°	4837.3	4818.6	4913.7	5089.1	5557.7	5603.7	6133.9	5896.1	5160.8	5492.2
62.5°	5295.7	5248.9	5263.8	5418.9	6017.7	6078.5	6600.2	6172.9	5245.0	5579.5
65°	5981.1	5900.8	5825.9	5933.5	6665.7	6725.7	7126.5	6390.4	5213.9	5410.3
67.5°	6844.2	6764.7	6672.7	6774.0	7620.0	7667.6	7776.0	6512.8	4968.3	4758.5
70°	7556.1	7526.5	7636.4	8053.5	9144.3	9145.9	8608.7	6411.5	4295.4	3373.8
72.5°	7461.7	7443.8	8023.1	9312.7	11065.5	11024.2	9397.0	5644.3	2893.5	1522.0
75°	6121.4	6237.6	7135.0	9290.1	11755.5	11750.1	8914.3	3588.2	1196.8	630.8
77.5°	3282.5	3466.5	4632.2	6859.0	9177.1	9315.1	6267.2	1255.3	513.8	403.9
80°	1070.5	1231.1	1846.3	3492.3	5963.2	5937.4	2686.1	492.8	351.6	286.2
82.5°	454.6	473.3	824.9	1649.1	3060.3	3012.8	855.3	283.0	247.2	195.7
85°	177.8	198.8	364.1	762.5	1325.5	1296.6	308.8	140.3	158.3	127.9
87.5°	58.5	71.0	130.2	261.2	412.5	397.6	75.6	48.3	68.6	58.5
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°
1922.0	0°	1922.0	1922.0	1922.0	1922.0	1922.0	1922.0	1922.0	1922.0	1922.0	1922.0
1927.4	2.5°	1938.3	1950.8	1965.6	1987.5	2006.2	2021.8	2038.1	2048.3	2052.2	2063.9
1930.5	5°	1952.4	1979.7	2016.3	2052.2	2087.3	2108.3	2127.0	2136.4	2145.0	2151.2
1939.1	7.5°	1975.8	2010.8	2068.5	2115.3	2145.0	2162.1	2174.6	2171.5	2174.6	2176.1
1948.5	10°	1996.0	2045.2	2113.8	2158.2	2180.8	2181.6	2178.5	2167.6	2162.1	2162.9
1962.5	12.5°	2020.2	2074.8	2148.9	2186.3	2192.5	2175.4	2162.1	2143.4	2136.4	2133.3
1983.6	15°	2053.0	2115.3	2187.1	2201.1	2185.5	2163.7	2141.1	2110.6	2095.1	2082.6
2019.4	17.5°	2092.7	2161.3	2216.7	2206.6	2173.0	2137.2	2100.5	2054.5	2022.5	2009.3
2068.5	20°	2148.1	2209.7	2239.3	2194.9	2144.2	2089.6	2027.2	1971.1	1941.5	1928.2
2130.9	22.5°	2215.1	2274.4	2261.1	2174.6	2102.9	2015.5	1937.6	1896.2	1881.4	1872.1
2211.2	25°	2295.4	2346.1	2276.7	2145.0	2035.0	1917.3	1857.2	1844.0	1837.0	1830.0
2309.5	27.5°	2399.9	2427.2	2288.4	2101.3	1929.0	1812.8	1791.0	1793.3	1791.0	1779.3
2445.9	30°	2537.9	2532.5	2299.3	2030.3	1807.3	1718.5	1720.0	1730.2	1731.7	1723.9
2636.2	32.5°	2719.6	2664.2	2304.8	1938.3	1691.2	1635.8	1637.4	1648.3	1656.1	1642.8
2884.9	35°	2939.5	2817.8	2296.2	1822.9	1601.5	1557.1	1545.4	1548.5	1550.8	1538.3
3186.6	37.5°	3196.0	2990.2	2258.0	1695.1	1527.4	1479.9	1454.9	1433.9	1421.4	1409.7
3528.1	40°	3477.5	3178.1	2187.8	1570.3	1444.8	1398.0	1360.6	1320.8	1278.7	1263.1
3889.9	42.5°	3772.2	3371.4	2102.9	1451.0	1349.7	1311.5	1271.7	1214.0	1150.8	1118.9
4265.7	45°	4077.8	3569.5	2019.4	1333.3	1252.2	1235.8	1189.8	1120.4	1051.8	1011.3
4642.3	47.5°	4377.2	3756.6	1897.0	1214.8	1161.0	1178.9	1143.0	1079.1	1002.7	938.8
5015.8	50°	4663.4	3932.0	1696.6	1094.7	1086.9	1161.8	1127.4	1035.4	948.1	866.2
5382.3	52.5°	4947.2	4073.9	1440.1	985.5	1047.1	1157.1	1107.2	1005.8	899.0	813.2
5726.9	55°	5188.1	4147.2	1192.9	892.0	989.4	1117.3	1083.0	970.7	829.6	738.4
5963.2	57.5°	5325.4	4088.0	987.1	800.0	909.9	1051.8	1041.7	895.9	747.0	676.8
6009.2	60°	5266.1	3847.8	818.7	719.7	834.3	980.9	969.9	821.8	683.8	617.5
5762.8	62.5°	4939.4	3390.1	685.4	649.5	765.7	908.4	898.2	764.9	635.5	571.5
5108.6	65°	4281.3	2757.8	581.7	591.0	696.3	821.0	835.8	717.3	597.3	534.9
3952.3	67.5°	3265.4	1997.6	500.6	540.3	628.4	735.3	778.1	683.0	565.3	506.0
2286.9	70°	1861.1	1134.5	432.0	491.2	568.4	655.7	733.7	655.7	531.0	481.9
856.9	72.5°	705.6	520.8	373.5	442.1	510.7	588.7	684.6	612.8	491.2	454.6
442.9	75°	376.6	317.3	314.2	384.4	444.4	523.2	623.0	570.7	461.6	480.3
306.4	77.5°	256.5	224.6	262.8	329.0	371.9	450.7	557.5	506.8	400.0	398.4
212.1	80°	177.8	159.1	213.6	265.1	287.7	378.9	486.5	435.1	325.9	304.1
131.0	82.5°	106.8	103.7	159.8	198.0	203.5	292.4	403.1	364.9	266.7	232.4
78.0	85°	58.5	61.6	102.1	116.2	118.5	204.3	315.8	282.3	205.1	172.3
28.1	87.5°	16.4	21.1	37.4	46.0	56.9	106.0	187.9	167.6	102.9	71.7
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°
1922.0
2063.1
2152.8
2178.5
2164.4
2131.7
2086.5
2010.1
1926.6
1873.6
1830.0
1781.6
1727.8
1649.1
1546.9
1417.5
1270.1
1122.8
1008.2
931.7
859.2
803.9
730.6
667.4
608.2
561.4
524.7
496.7
475.6
448.3
495.9
367.2
290.8
233.9
173.9
71.7
0.0

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