

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: P847513

Luminaire Tested: **GLAN-SB3C-927-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847513  
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-SB3C-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 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: 14344 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

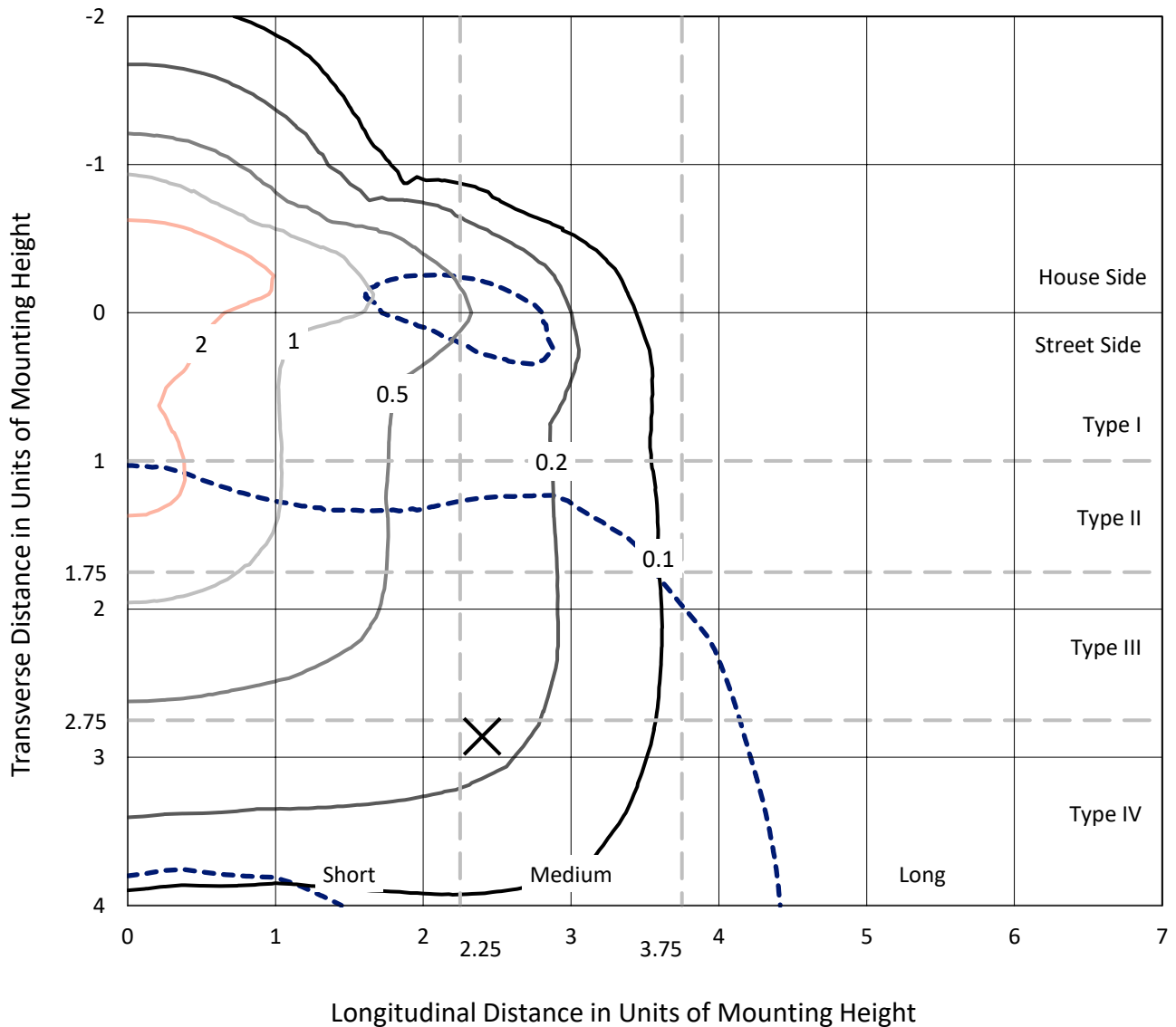
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

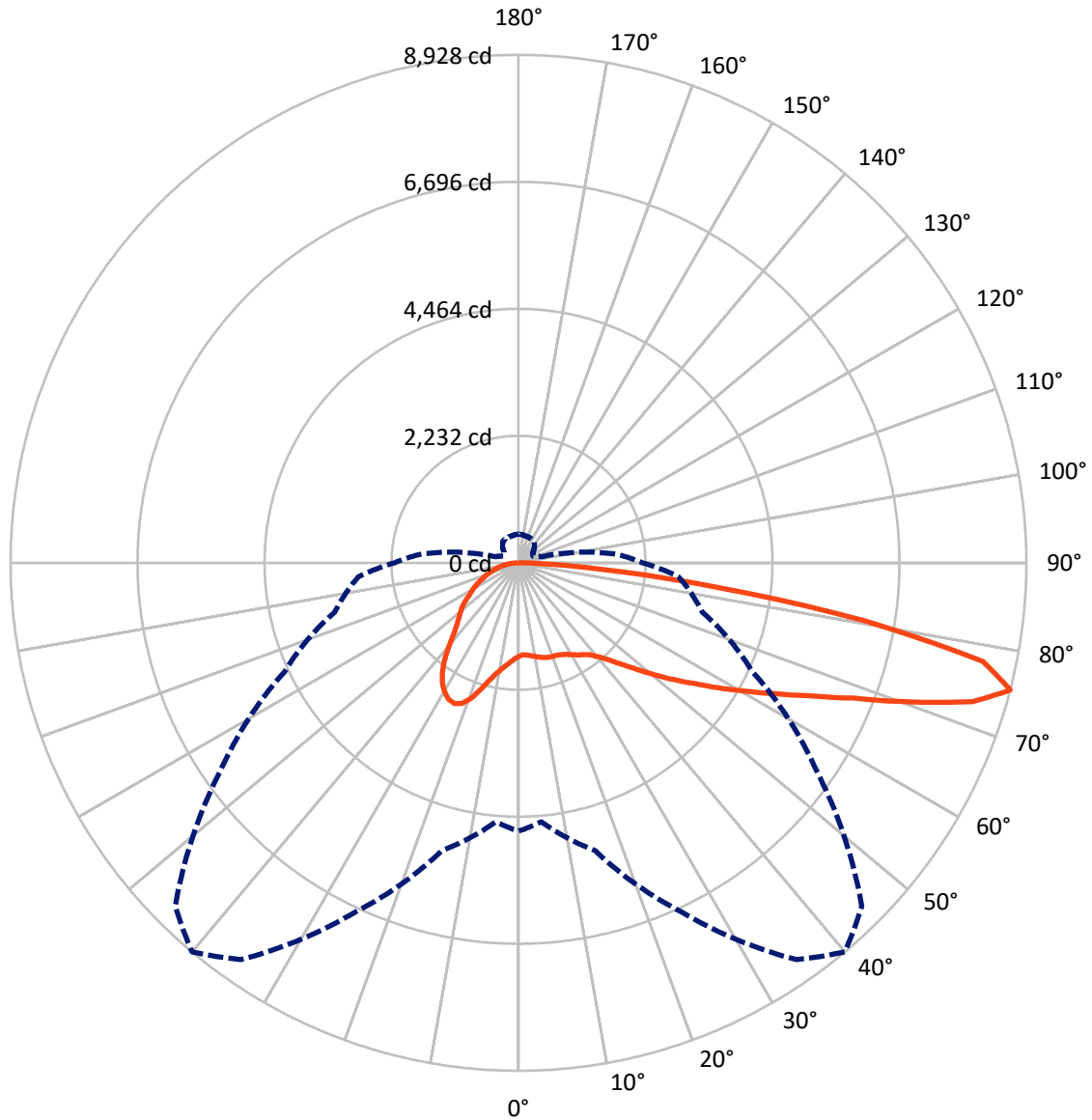
× Max cd  
 - - - 1/2 Max cd



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	4444.3	0.0	4444.3
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	9899.7	0.0	9899.7
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	14344.0	0.0	14344.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.7	1.1
10°-20°	549.7	3.8
20°-30°	1003.7	7.0
30°-40°	1423.6	9.9
40°-50°	1922.2	13.4
50°-60°	2585.9	18.0
60°-70°	3282.1	22.9
70°-80°	2978.7	20.8
80°-90°	434.2	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°	14344.0	100.0
0°-180°	14344.0	100.0

**Coefficient of Utilization**

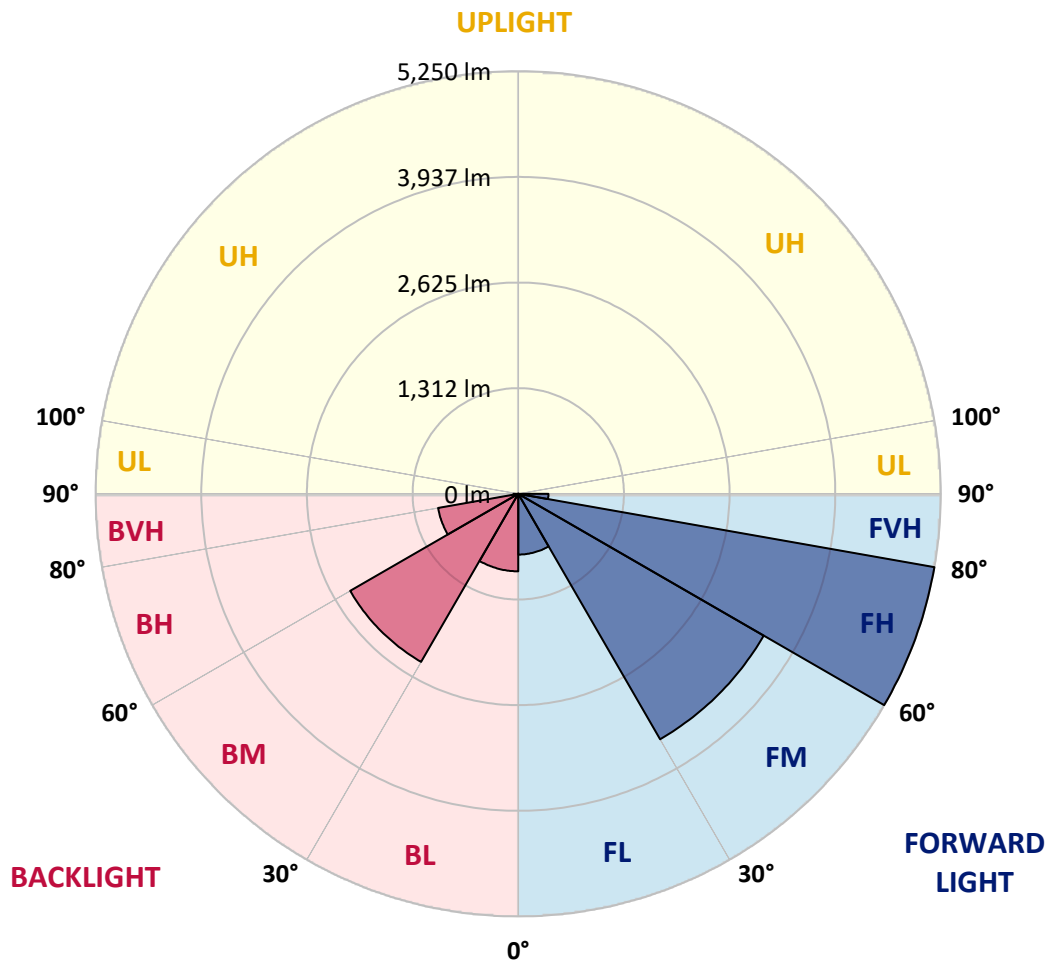


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	754.5	5.3			
FM (30°-60°)	3521.1	24.5			
FH (60°-80°)	5249.7	36.6			G3/7500
FVH (80°-90°)	374.4	2.6			G3/500
BL (0°-30°)	962.7	6.7	B2/1000		
BM (30°-60°)	2410.6	16.8	B2/2500		
BH (60°-80°)	1011.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	59.8	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°	1640.3	1640.3	1640.3	1640.3	1640.3	1640.3	1640.3	1640.3	1640.3	1640.3
2.5°	1615.1	1624.3	1622.0	1619.0	1619.0	1619.7	1619.0	1624.3	1629.6	1634.9
5°	1631.9	1641.0	1636.5	1632.6	1629.6	1628.8	1626.6	1625.8	1628.8	1635.7
7.5°	1664.6	1673.7	1666.9	1660.0	1653.9	1650.9	1647.9	1643.3	1641.0	1644.8
10°	1701.1	1710.2	1701.9	1689.7	1679.8	1676.0	1673.0	1668.4	1665.4	1667.6
12.5°	1737.6	1746.8	1735.4	1718.6	1705.7	1703.4	1699.6	1698.1	1697.3	1696.6
15°	1771.9	1779.5	1765.0	1745.2	1731.5	1727.7	1723.9	1726.2	1730.0	1734.6
17.5°	1798.5	1806.1	1784.8	1758.9	1746.0	1744.5	1742.2	1749.8	1760.5	1771.9
20°	1822.8	1830.5	1803.1	1768.1	1752.9	1752.9	1753.6	1769.6	1784.8	1801.5
22.5°	1857.1	1863.2	1829.7	1781.8	1759.7	1761.2	1767.3	1783.3	1802.3	1825.1
25°	1908.1	1912.6	1871.5	1807.6	1782.5	1787.1	1792.4	1800.0	1818.3	1844.9
27.5°	1990.2	1994.0	1940.0	1853.3	1815.2	1822.8	1830.5	1825.1	1833.5	1856.3
30°	2105.9	2108.1	2039.7	1924.8	1870.8	1874.6	1876.1	1854.0	1838.1	1856.3
32.5°	2242.8	2242.0	2160.6	2011.5	1933.9	1930.1	1917.2	1873.8	1836.5	1852.5
35°	2455.1	2446.7	2341.7	2133.2	2005.4	1981.8	1951.4	1895.9	1844.1	1848.7
37.5°	2806.5	2780.7	2635.4	2332.6	2111.9	2051.8	2007.0	1931.6	1860.9	1847.2
40°	3202.9	3170.2	3010.4	2605.7	2271.7	2175.1	2102.8	1982.6	1888.3	1854.0
42.5°	3673.1	3626.7	3454.7	2927.5	2474.1	2334.1	2225.3	2047.3	1928.6	1876.1
45°	4250.5	4188.9	3945.4	3290.4	2728.9	2542.5	2397.2	2145.4	1990.2	1918.7
47.5°	4834.0	4849.3	4503.1	3705.8	3034.8	2799.7	2612.5	2293.0	2080.0	1987.2
50°	5454.1	5464.7	5057.7	4166.1	3381.7	3090.3	2854.5	2458.1	2204.8	2084.6
52.5°	5937.9	5939.5	5561.3	4647.6	3743.1	3409.8	3115.4	2646.8	2349.3	2213.9
55°	6240.7	6236.9	5914.4	5103.4	4158.5	3745.4	3404.5	2861.3	2525.8	2366.0
57.5°	6460.6	6449.2	6157.8	5495.2	4601.2	4141.7	3731.7	3104.8	2734.3	2547.1
60°	6544.3	6537.4	6322.9	5833.7	5066.8	4579.9	4109.0	3377.1	2970.9	2760.9
62.5°	6576.2	6589.2	6484.9	6161.6	5565.2	5065.3	4523.6	3702.7	3237.1	3002.8
65°	6688.8	6712.4	6691.1	6590.7	6128.1	5633.6	5073.7	4090.0	3527.8	3262.3
67.5°	6911.7	6935.3	6944.5	7104.2	6815.9	6341.9	5759.9	4572.3	3867.8	3531.6
70°	6906.4	6899.6	7060.9	7512.8	7677.1	7322.6	6685.0	5165.7	4273.3	3755.2
72.5°	6286.4	6231.6	6612.8	7508.2	8393.8	8346.6	7814.8	5931.1	4623.3	3782.6
75°	4716.1	4570.0	5243.3	6766.4	8513.2	8927.8	8533.0	6405.8	4540.4	3342.1
77.5°	2016.8	1870.0	2663.5	5009.0	7619.3	8345.8	7874.1	5588.7	3624.4	2210.1
80°	528.0	527.2	804.9	2270.9	5181.7	6163.1	5406.9	3609.2	2070.9	789.7
82.5°	218.3	213.0	295.9	883.3	2531.9	3458.5	2822.5	1609.8	747.9	213.8
85°	81.4	80.6	143.8	305.1	893.2	1426.5	1032.4	411.6	186.4	104.2
87.5°	22.8	22.1	31.2	105.7	217.6	330.2	176.5	67.7	52.5	41.1
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°
1640.3	0°	1640.3	1640.3	1640.3	1640.3	1640.3	1640.3	1640.3	1640.3	1640.3	1640.3
1643.3	2.5°	1645.6	1649.4	1656.2	1661.6	1668.4	1676.0	1686.7	1693.5	1700.4	1704.9
1647.1	5°	1652.4	1660.8	1678.3	1695.8	1716.3	1735.4	1757.4	1773.4	1786.3	1790.1
1660.8	7.5°	1667.6	1681.3	1711.0	1740.7	1773.4	1804.6	1836.5	1863.9	1886.0	1894.4
1685.1	10°	1694.3	1712.5	1754.4	1796.2	1839.6	1887.5	1928.6	1968.2	1999.3	2012.3
1714.1	12.5°	1727.7	1750.6	1805.3	1863.2	1923.3	1989.5	2042.7	2091.4	2130.2	2147.7
1754.4	15°	1771.1	1800.8	1870.8	1948.4	2036.6	2128.7	2196.4	2250.4	2293.8	2315.1
1796.2	17.5°	1818.3	1857.8	1946.1	2063.3	2189.5	2310.5	2389.6	2429.2	2474.1	2494.6
1835.0	20°	1863.9	1912.6	2038.9	2209.3	2377.5	2506.0	2569.9	2580.6	2583.6	2585.9
1871.5	22.5°	1911.1	1976.5	2155.3	2393.4	2573.7	2662.8	2671.9	2626.2	2562.3	2532.7
1907.3	25°	1962.8	2049.6	2307.5	2596.6	2742.6	2753.3	2683.3	2572.2	2451.3	2395.7
1936.2	27.5°	2013.0	2134.0	2490.1	2790.6	2864.4	2770.8	2620.1	2462.7	2316.6	2258.0
1956.7	30°	2063.3	2230.6	2691.7	2960.2	2919.9	2727.4	2520.5	2344.7	2197.9	2136.3
1975.0	32.5°	2114.2	2343.2	2923.7	3082.7	2910.0	2635.4	2396.5	2212.4	2083.0	2018.4
1991.0	35°	2172.0	2481.7	3143.6	3149.7	2843.8	2499.9	2232.9	2054.1	1941.5	1889.8
2010.0	37.5°	2247.4	2657.4	3337.6	3166.4	2728.2	2301.4	2029.8	1867.0	1774.2	1750.6
2038.1	40°	2340.9	2868.9	3485.9	3139.8	2557.0	2060.2	1807.6	1677.5	1625.0	1630.4
2076.2	42.5°	2462.7	3105.5	3590.2	3071.3	2318.9	1811.4	1612.9	1555.0	1580.2	1601.5
2133.2	45°	2620.9	3351.3	3654.8	2954.9	2049.6	1600.7	1498.0	1511.7	1530.7	1533.0
2225.3	47.5°	2823.3	3600.0	3697.4	2779.2	1774.9	1452.3	1425.0	1428.0	1424.2	1408.2
2363.0	50°	3075.9	3842.0	3735.5	2546.4	1541.4	1359.5	1323.0	1312.4	1259.9	1208.1
2546.4	52.5°	3363.4	4064.1	3751.4	2257.3	1359.5	1281.9	1222.6	1155.6	1057.5	1041.5
2776.9	55°	3683.0	4269.5	3710.4	1902.0	1206.6	1182.3	1092.5	1011.8	1001.2	987.5
3080.4	57.5°	4064.9	4490.9	3626.7	1505.6	1049.9	1065.9	978.4	987.5	968.5	947.2
3470.7	60°	4482.6	4719.9	3479.8	1144.2	887.8	920.6	948.7	947.9	942.6	925.1
3882.3	62.5°	4858.4	4870.6	3190.7	876.4	745.6	808.0	884.8	884.0	879.5	869.6
4312.1	65°	5082.1	4847.7	2708.4	690.0	628.4	715.1	798.1	804.2	804.9	804.2
4635.5	67.5°	5042.5	4580.7	2046.5	549.3	531.8	620.8	712.1	720.5	726.6	728.1
4676.6	70°	4595.1	3994.1	1334.4	438.2	445.8	537.9	630.7	639.1	644.4	650.5
4058.0	72.5°	3581.8	2936.6	763.8	354.5	370.5	466.4	550.0	559.9	563.0	574.4
2824.0	75°	2182.7	1727.0	412.3	279.2	304.3	398.7	470.2	481.6	486.9	500.6
1386.9	77.5°	1037.7	747.9	235.1	217.6	245.0	325.6	397.1	410.1	395.6	403.2
382.7	80°	350.7	277.7	148.4	165.9	187.2	254.1	318.0	330.9	300.5	299.0
127.1	82.5°	122.5	112.6	94.3	110.3	121.0	181.8	240.4	257.1	223.7	222.9
57.1	85°	47.9	45.6	52.5	60.1	72.3	111.8	158.2	166.6	137.7	111.1
16.7	87.5°	9.9	10.7	12.9	13.7	22.1	38.8	57.1	70.0	55.5	47.2
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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<u>180°</u>
1640.3
1701.9
1791.7
1895.1
2013.0
2147.7
2313.6
2493.9
2592.0
2541.0
2404.1
2264.9
2143.1
2026.7
1901.2
1767.3
1648.6
1621.2
1548.2
1420.4
1215.0
1046.8
989.8
943.4
919.0
865.8
804.2
729.6
653.5
579.0
502.1
397.1
295.9
212.3
109.6
43.4
0.0

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