

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: P847803

Luminaire Tested: **GLAN-SB4A-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847803
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-SB4A-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 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: 14209 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

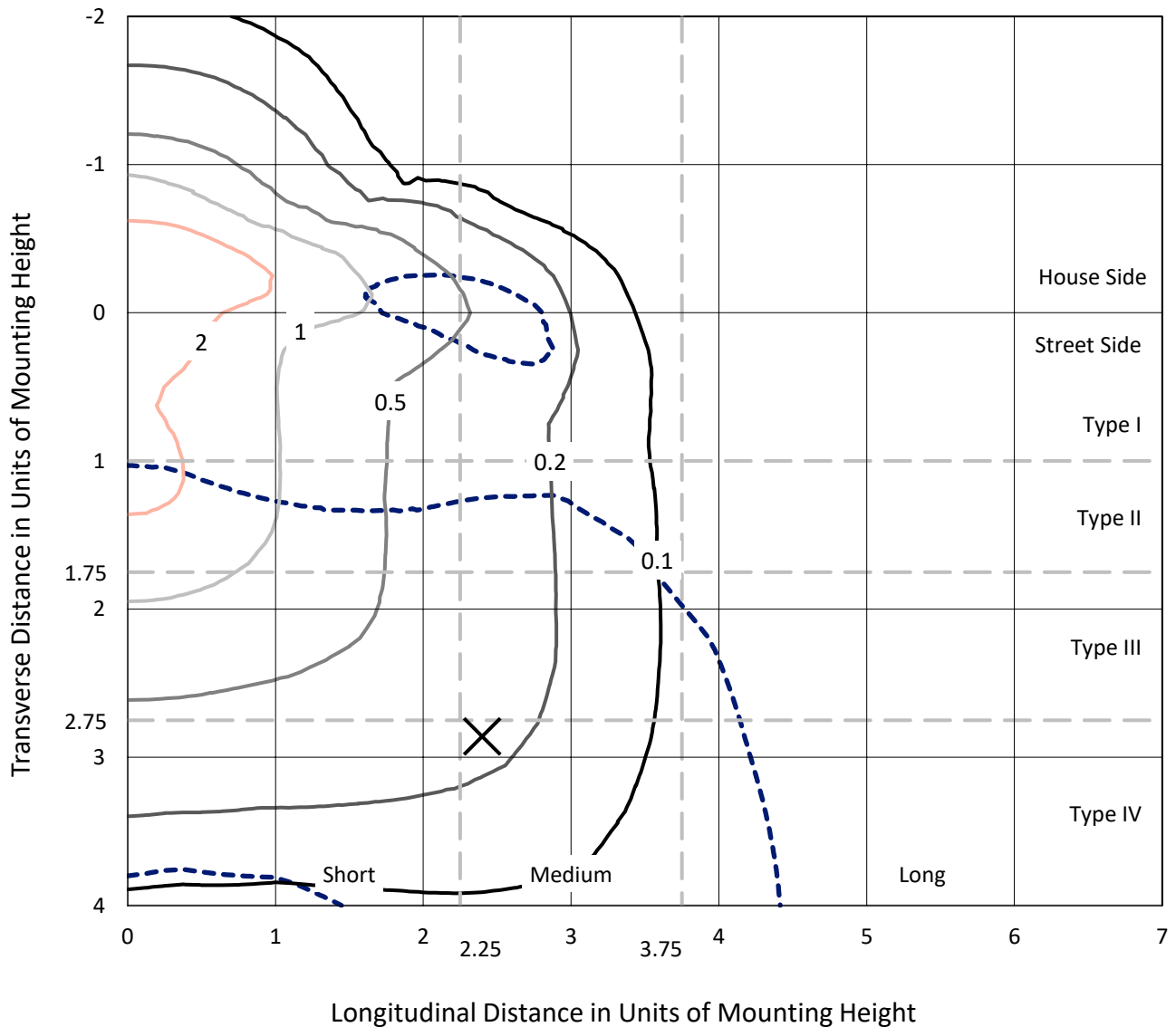
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

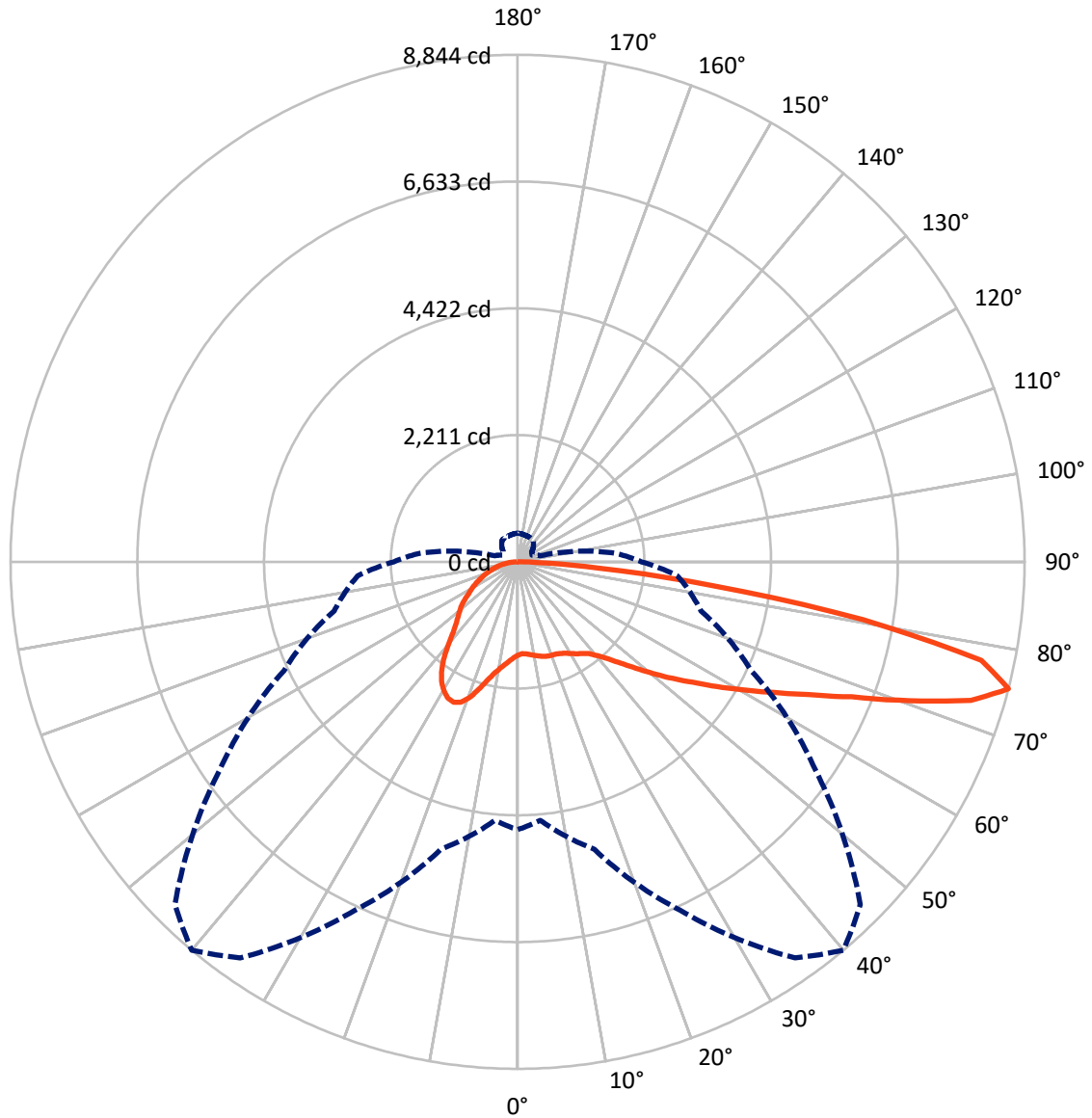
× Max cd
 - - - 1/2 Max cd



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	4402.4	0.0	4402.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	9806.6	0.0	9806.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	14209.0	0.0	14209.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.2	1.1
10°-20°	544.5	3.8
20°-30°	994.3	7.0
30°-40°	1410.2	9.9
40°-50°	1904.2	13.4
50°-60°	2561.6	18.0
60°-70°	3251.3	22.9
70°-80°	2950.7	20.8
80°-90°	430.1	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°	14209.0	100.0
0°-180°	14209.0	100.0

Coefficient of Utilization

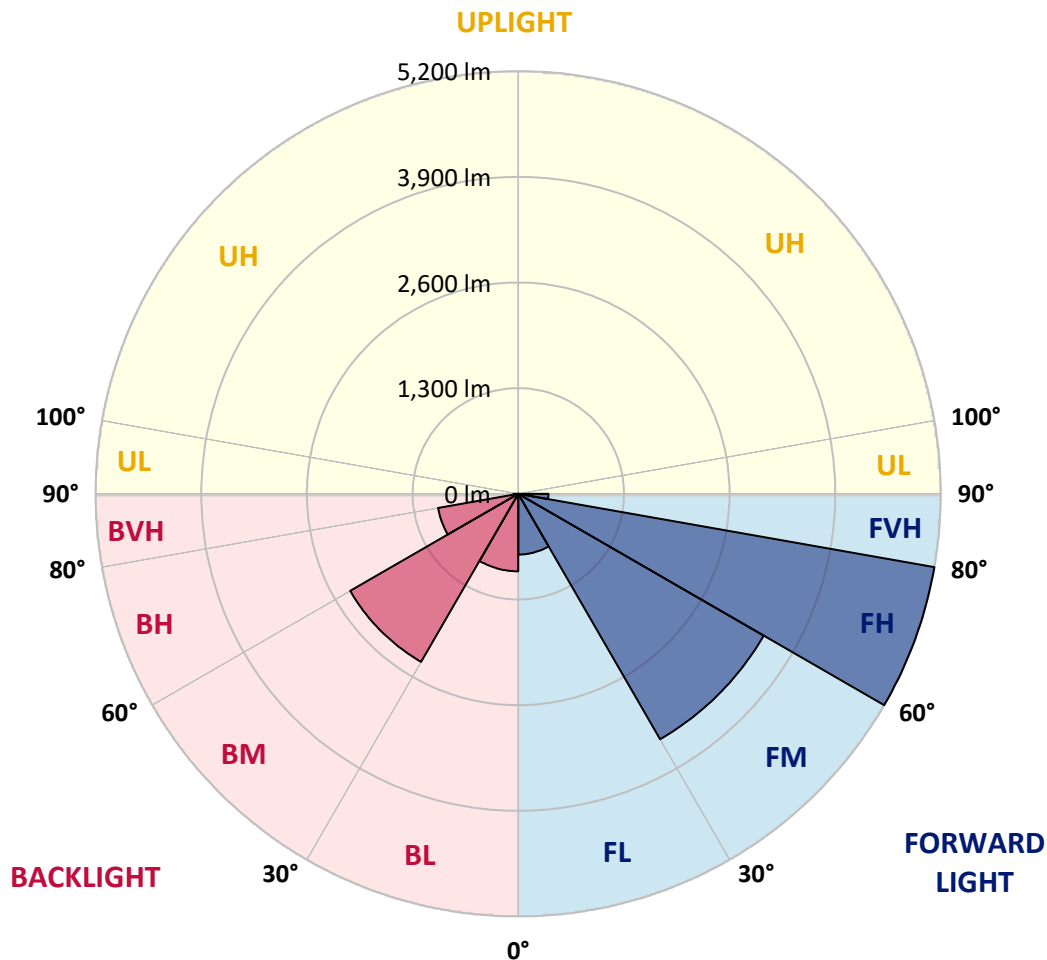


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	747.4	5.3			
FM (30°-60°)	3488.0	24.5			
FH (60°-80°)	5200.3	36.6			G3/7500
FVH (80°-90°)	370.9	2.6			G3/500
BL (0°-30°)	953.6	6.7	B2/1000		
BM (30°-60°)	2387.9	16.8	B2/2500		
BH (60°-80°)	1001.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	59.2	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°	1624.8	1624.8	1624.8	1624.8	1624.8	1624.8	1624.8	1624.8	1624.8	1624.8
2.5°	1599.9	1609.0	1606.7	1603.7	1603.7	1604.5	1603.7	1609.0	1614.3	1619.5
5°	1616.5	1625.6	1621.0	1617.3	1614.3	1613.5	1611.3	1610.5	1613.5	1620.3
7.5°	1648.9	1658.0	1651.2	1644.4	1638.4	1635.4	1632.4	1627.8	1625.6	1629.3
10°	1685.1	1694.2	1685.9	1673.8	1664.0	1660.2	1657.2	1652.7	1649.7	1651.9
12.5°	1721.3	1730.3	1719.0	1702.4	1689.6	1687.4	1683.6	1682.1	1681.3	1680.6
15°	1755.2	1762.7	1748.4	1728.8	1715.3	1711.5	1707.7	1710.0	1713.7	1718.3
17.5°	1781.6	1789.1	1768.0	1742.4	1729.6	1728.1	1725.8	1733.3	1743.9	1755.2
20°	1805.7	1813.2	1786.1	1751.4	1736.4	1736.4	1737.1	1752.9	1768.0	1784.6
22.5°	1839.6	1845.6	1812.5	1765.0	1743.1	1744.6	1750.7	1766.5	1785.3	1807.9
25°	1890.1	1894.6	1853.9	1790.6	1765.7	1770.3	1775.5	1783.1	1801.2	1827.5
27.5°	1971.5	1975.3	1921.7	1835.8	1798.2	1805.7	1813.2	1807.9	1816.2	1838.8
30°	2086.0	2088.3	2020.5	1906.7	1853.2	1856.9	1858.4	1836.6	1820.8	1838.8
32.5°	2221.7	2220.9	2140.3	1992.6	1915.7	1911.9	1899.1	1856.2	1819.3	1835.1
35°	2432.0	2423.7	2319.7	2113.2	1986.6	1963.2	1933.1	1878.0	1826.8	1831.3
37.5°	2780.1	2754.5	2610.6	2310.6	2092.1	2032.5	1988.1	1913.5	1843.4	1829.8
40°	3172.8	3140.4	2982.1	2581.2	2250.3	2154.6	2083.0	1963.9	1870.5	1836.6
42.5°	3638.5	3592.5	3422.2	2900.0	2450.8	2312.1	2204.4	2028.0	1910.4	1858.4
45°	4210.5	4149.5	3908.3	3259.4	2703.3	2518.6	2374.7	2125.2	1971.5	1900.6
47.5°	4788.5	4803.6	4460.7	3670.9	3006.2	2773.3	2588.0	2271.4	2060.4	1968.5
50°	5402.7	5413.3	5010.1	4126.9	3349.9	3061.2	2827.6	2435.0	2184.0	2064.9
52.5°	5882.1	5883.6	5509.0	4603.9	3707.8	3377.8	3086.1	2621.9	2327.2	2193.1
55°	6182.0	6178.2	5858.7	5055.3	4119.3	3710.1	3372.5	2834.4	2502.0	2343.8
57.5°	6399.8	6388.5	6099.9	5443.4	4557.9	4102.7	3696.5	3075.5	2708.5	2523.1
60°	6482.7	6475.9	6263.4	5778.8	5019.2	4536.8	4070.3	3345.3	2942.9	2734.9
62.5°	6514.3	6527.2	6423.9	6103.6	5512.8	5017.6	4481.1	3667.9	3206.7	2974.6
65°	6625.9	6649.2	6628.1	6528.7	6070.5	5580.6	5025.9	4051.5	3494.6	3231.5
67.5°	6846.7	6870.1	6879.1	7037.4	6751.7	6282.2	5705.7	4529.3	3831.4	3498.3
70°	6841.4	6834.6	6994.4	7442.1	7604.8	7253.7	6622.1	5117.1	4233.1	3719.9
72.5°	6227.2	6173.0	6550.5	7437.5	8314.8	8268.0	7741.2	5875.3	4579.8	3747.0
75°	4671.7	4527.0	5194.0	6702.8	8433.1	8843.8	8452.7	6345.5	4497.6	3310.7
77.5°	1997.9	1852.4	2638.4	4961.9	7547.6	8267.3	7800.0	5536.1	3590.3	2189.3
80°	523.0	522.3	797.3	2249.6	5132.9	6105.1	5356.0	3575.2	2051.4	782.3
82.5°	216.3	211.0	293.2	875.0	2508.1	3426.0	2796.0	1594.7	740.8	211.8
85°	80.6	79.9	142.4	302.2	884.8	1413.0	1022.7	407.7	184.6	103.2
87.5°	22.6	21.9	30.9	104.8	215.5	327.1	174.8	67.1	52.0	40.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847803
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1624.8	0°	1624.8	1624.8	1624.8	1624.8	1624.8	1624.8	1624.8	1624.8	1624.8	1624.8
1627.8	2.5°	1630.1	1633.9	1640.6	1645.9	1652.7	1660.2	1670.8	1677.6	1684.4	1688.9
1631.6	5°	1636.9	1645.2	1662.5	1679.8	1700.2	1719.0	1740.9	1756.7	1769.5	1773.3
1645.2	7.5°	1651.9	1665.5	1694.9	1724.3	1756.7	1787.6	1819.3	1846.4	1868.2	1876.5
1669.3	10°	1678.3	1696.4	1737.9	1779.3	1822.3	1869.7	1910.4	1949.6	1980.5	1993.3
1697.9	12.5°	1711.5	1734.1	1788.4	1845.6	1905.2	1970.7	2023.5	2071.7	2110.2	2127.5
1737.9	15°	1754.4	1783.8	1853.2	1930.0	2017.5	2108.6	2175.7	2229.2	2272.2	2293.3
1779.3	17.5°	1801.2	1840.4	1927.8	2043.8	2168.9	2288.8	2367.1	2406.3	2450.8	2471.1
1817.7	20°	1846.4	1894.6	2019.7	2188.5	2355.1	2482.4	2545.7	2556.3	2559.3	2561.6
1853.9	22.5°	1893.1	1957.9	2135.0	2370.9	2549.5	2637.7	2646.7	2601.5	2538.2	2508.8
1889.3	25°	1944.4	2030.3	2285.7	2572.1	2716.8	2727.4	2658.0	2548.0	2428.2	2373.2
1918.0	27.5°	1994.1	2113.9	2466.6	2764.3	2837.4	2744.7	2595.5	2439.5	2294.8	2236.8
1938.3	30°	2043.8	2209.6	2666.3	2932.4	2892.4	2701.7	2496.8	2322.7	2177.2	2116.2
1956.4	32.5°	2094.3	2321.2	2896.2	3053.7	2882.6	2610.6	2373.9	2191.5	2063.4	1999.4
1972.2	35°	2151.6	2458.3	3114.0	3120.0	2817.1	2476.4	2211.9	2034.8	1923.3	1872.0
1991.1	37.5°	2226.2	2632.4	3306.2	3136.6	2702.5	2279.7	2010.7	1849.4	1757.5	1734.1
2019.0	40°	2318.9	2841.9	3453.1	3110.2	2532.9	2040.8	1790.6	1661.7	1609.7	1615.0
2056.6	42.5°	2439.5	3076.3	3556.4	3042.4	2297.1	1794.4	1597.7	1540.4	1565.3	1586.4
2113.2	45°	2596.2	3319.7	3620.4	2927.1	2030.3	1585.6	1483.9	1497.5	1516.3	1518.6
2204.4	47.5°	2796.7	3566.2	3662.6	2753.0	1758.2	1438.7	1411.5	1414.6	1410.8	1395.0
2340.8	50°	3046.9	3805.8	3700.3	2522.4	1526.8	1346.7	1310.6	1300.0	1248.0	1196.8
2522.4	52.5°	3331.8	4025.9	3716.1	2236.0	1346.7	1269.9	1211.1	1144.8	1047.5	1031.7
2750.7	55°	3648.3	4229.4	3675.4	1884.1	1195.3	1171.1	1082.2	1002.3	991.8	978.2
3051.4	57.5°	4026.6	4448.7	3592.5	1491.4	1040.0	1055.8	969.2	978.2	959.4	938.3
3438.0	60°	4440.4	4675.5	3447.1	1133.5	879.5	911.9	939.8	939.0	933.7	916.4
3845.8	62.5°	4812.7	4824.7	3160.7	868.2	738.6	800.4	876.5	875.7	871.2	861.4
4271.6	65°	5034.2	4802.1	2682.9	683.5	622.5	708.4	790.6	796.6	797.3	796.6
4591.8	67.5°	4995.0	4537.6	2027.3	544.1	526.8	615.0	705.4	713.7	719.7	721.2
4632.5	70°	4551.9	3956.5	1321.9	434.1	441.6	532.8	624.8	633.0	638.3	644.4
4019.8	72.5°	3548.1	2909.0	756.6	351.2	367.0	462.0	544.9	554.7	557.7	569.0
2797.5	75°	2162.2	1710.7	408.5	276.6	301.5	394.9	465.7	477.0	482.3	495.9
1373.9	77.5°	1027.9	740.8	232.9	215.5	242.7	322.6	393.4	406.2	391.9	399.4
379.1	80°	347.4	275.1	147.0	164.3	185.4	251.7	315.0	327.8	297.7	296.2
125.9	82.5°	121.3	111.5	93.4	109.3	119.8	180.1	238.1	254.7	221.6	220.8
56.5	85°	47.5	45.2	52.0	59.5	71.6	110.8	156.8	165.0	136.4	110.0
16.6	87.5°	9.8	10.6	12.8	13.6	21.9	38.4	56.5	69.3	55.0	46.7
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°
1624.8
1685.9
1774.8
1877.3
1994.1
2127.5
2291.8
2470.4
2567.6
2517.1
2381.5
2243.5
2123.0
2007.7
1883.3
1750.7
1633.1
1606.0
1533.6
1407.0
1203.5
1037.0
980.5
934.5
910.4
857.6
796.6
722.7
647.4
573.5
497.4
393.4
293.2
210.3
108.5
43.0
0.0

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