

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: P847823

Luminaire Tested: **GLAN-SB4A-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847823
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-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 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: 14755 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

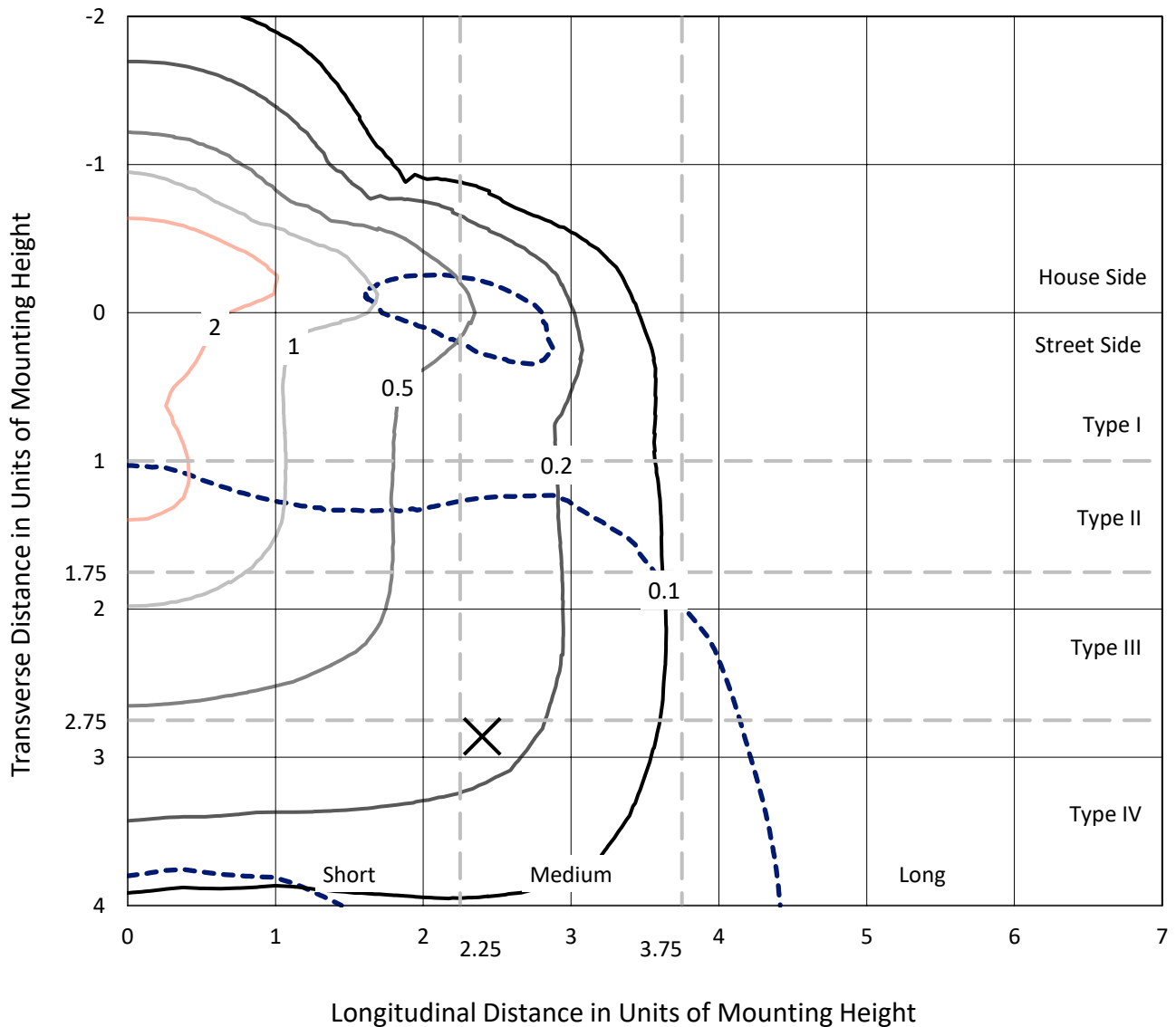
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

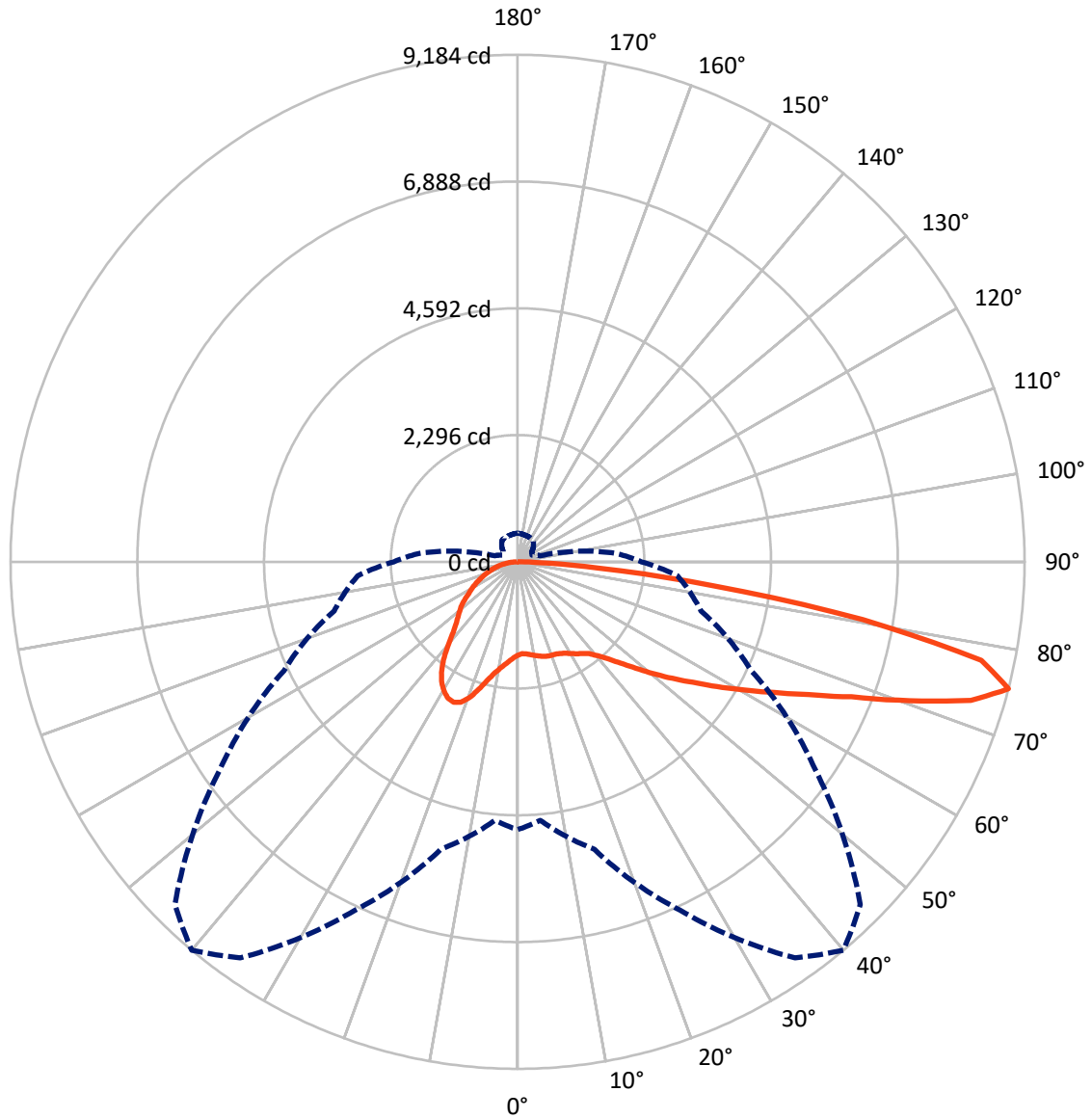
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	4571.6	0.0	4571.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	10183.4	0.0	10183.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	14755.0	0.0	14755.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	1.1
10°-20°	565.5	3.8
20°-30°	1032.5	7.0
30°-40°	1464.4	9.9
40°-50°	1977.3	13.4
50°-60°	2660.0	18.0
60°-70°	3376.2	22.9
70°-80°	3064.1	20.8
80°-90°	446.6	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°	14755.0	100.0
0°-180°	14755.0	100.0

Coefficient of Utilization

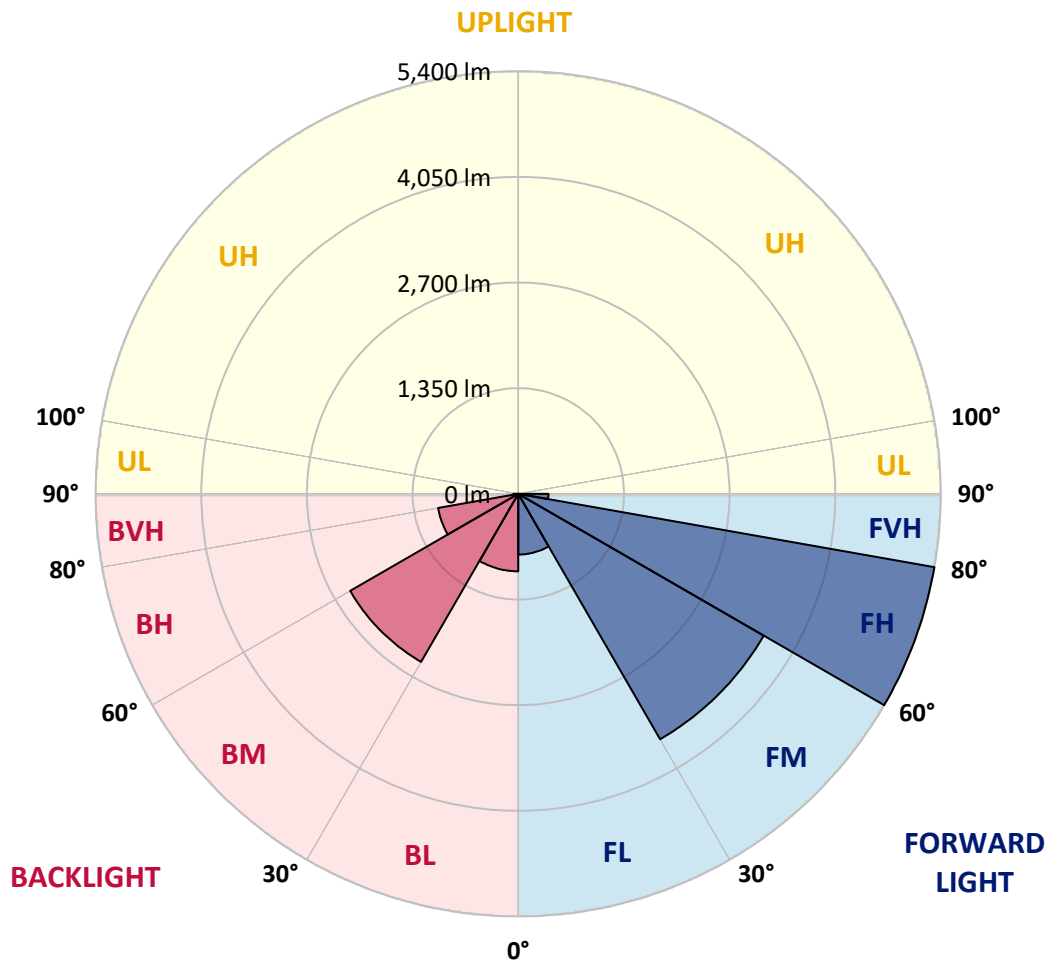


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	776.1	5.3			
FM (30°-60°)	3622.0	24.5			
FH (60°-80°)	5400.1	36.6			G3/7500
FVH (80°-90°)	385.2	2.6			G3/500
BL (0°-30°)	990.2	6.7	B2/1000		
BM (30°-60°)	2479.7	16.8	B2/2500		
BH (60°-80°)	1040.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	61.5	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°	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3
2.5°	1661.4	1670.8	1668.5	1665.3	1665.3	1666.1	1665.3	1670.8	1676.3	1681.8
5°	1678.6	1688.0	1683.3	1679.4	1676.3	1675.5	1673.2	1672.4	1675.5	1682.6
7.5°	1712.3	1721.7	1714.6	1707.6	1701.3	1698.2	1695.1	1690.4	1688.0	1691.9
10°	1749.9	1759.3	1750.6	1738.1	1727.9	1724.0	1720.9	1716.2	1713.1	1715.4
12.5°	1787.4	1796.8	1785.1	1767.9	1754.6	1752.2	1748.3	1746.7	1745.9	1745.2
15°	1822.6	1830.5	1815.6	1795.3	1781.2	1777.3	1773.3	1775.7	1779.6	1784.3
17.5°	1850.0	1857.9	1835.9	1809.3	1796.0	1794.5	1792.1	1799.9	1810.9	1822.6
20°	1875.1	1882.9	1854.7	1818.7	1803.1	1803.1	1803.9	1820.3	1835.9	1853.2
22.5°	1910.3	1916.6	1882.1	1832.8	1810.1	1811.7	1817.9	1834.4	1853.9	1877.4
25°	1962.7	1967.4	1925.2	1859.4	1833.6	1838.3	1843.8	1851.6	1870.4	1897.8
27.5°	2047.2	2051.2	1995.6	1906.4	1867.2	1875.1	1882.9	1877.4	1886.0	1909.5
30°	2166.2	2168.5	2098.1	1979.9	1924.4	1928.3	1929.9	1907.2	1890.7	1909.5
32.5°	2307.1	2306.3	2222.5	2069.2	1989.3	1985.4	1972.1	1927.5	1889.2	1905.6
35°	2525.4	2516.8	2408.8	2194.4	2062.9	2038.6	2007.3	1950.2	1897.0	1901.7
37.5°	2887.0	2860.3	2710.9	2399.4	2172.5	2110.6	2064.5	1987.0	1914.2	1900.1
40°	3294.7	3261.0	3096.7	2680.4	2336.8	2237.4	2163.1	2039.4	1942.4	1907.2
42.5°	3778.3	3730.6	3553.7	3011.4	2545.0	2401.0	2289.1	2105.9	1983.9	1929.9
45°	4372.3	4308.9	4058.5	3384.7	2807.1	2615.4	2465.9	2206.9	2047.2	1973.7
47.5°	4972.5	4988.2	4632.1	3812.0	3121.7	2879.9	2687.4	2358.7	2139.6	2044.1
50°	5610.4	5621.3	5202.6	4285.4	3478.6	3178.9	2936.3	2528.5	2267.9	2144.3
52.5°	6108.1	6109.6	5720.7	4780.8	3850.3	3507.5	3204.7	2722.6	2416.6	2277.3
55°	6419.5	6415.6	6083.8	5249.6	4277.6	3852.7	3502.1	2943.3	2598.2	2433.8
57.5°	6645.7	6634.0	6334.2	5652.6	4733.1	4260.4	3838.6	3193.7	2812.6	2620.1
60°	6731.8	6724.8	6504.1	6000.9	5212.0	4711.2	4226.7	3473.9	3056.0	2840.0
62.5°	6764.7	6778.0	6670.8	6338.2	5724.6	5210.5	4653.3	3808.8	3329.9	3088.9
65°	6880.5	6904.8	6882.8	6779.5	6303.7	5795.0	5219.1	4207.2	3628.8	3355.7
67.5°	7109.8	7134.0	7143.4	7307.8	7011.2	6523.6	5925.0	4703.3	3978.7	3632.8
70°	7104.3	7097.3	7263.2	7728.0	7897.1	7532.4	6876.6	5313.8	4395.8	3862.8
72.5°	6466.5	6410.2	6802.2	7723.3	8634.3	8585.7	8038.7	6101.0	4755.8	3891.0
75°	4851.2	4701.0	5393.6	6960.3	8757.1	9183.6	8777.5	6589.4	4670.5	3437.9
77.5°	2074.6	1923.6	2739.8	5152.5	7837.6	8585.0	8099.8	5748.9	3728.2	2273.4
80°	543.1	542.3	828.0	2336.0	5330.2	6339.7	5561.8	3712.6	2130.2	812.3
82.5°	224.6	219.1	304.4	908.6	2604.4	3557.6	2903.4	1656.0	769.3	219.9
85°	83.7	83.0	147.9	313.8	918.8	1467.3	1062.0	423.4	191.7	107.2
87.5°	23.5	22.7	32.1	108.8	223.8	339.6	181.6	69.7	54.0	42.3
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°
1687.3	0°	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3	1687.3
1690.4	2.5°	1692.7	1696.6	1703.7	1709.2	1716.2	1724.0	1735.0	1742.0	1749.1	1753.8
1694.3	5°	1699.8	1708.4	1726.4	1744.4	1765.5	1785.1	1807.8	1824.2	1837.5	1841.4
1708.4	7.5°	1715.4	1729.5	1760.0	1790.6	1824.2	1856.3	1889.2	1917.3	1940.0	1948.6
1733.4	10°	1742.8	1761.6	1804.6	1847.7	1892.3	1941.6	1983.9	2024.5	2056.6	2069.9
1763.2	12.5°	1777.3	1800.7	1857.1	1916.6	1978.4	2046.5	2101.2	2151.3	2191.2	2209.2
1804.6	15°	1821.9	1852.4	1924.4	2004.2	2095.0	2189.7	2259.3	2314.9	2359.5	2381.4
1847.7	17.5°	1870.4	1911.1	2001.9	2122.4	2252.3	2376.7	2458.1	2498.8	2545.0	2566.1
1887.6	20°	1917.3	1967.4	2097.3	2272.6	2445.6	2577.8	2643.6	2654.5	2657.7	2660.0
1925.2	22.5°	1965.9	2033.2	2217.1	2462.0	2647.5	2739.0	2748.4	2701.5	2635.7	2605.2
1961.9	25°	2019.1	2108.3	2373.6	2671.0	2821.2	2832.2	2760.2	2645.9	2521.5	2464.4
1991.7	27.5°	2070.7	2195.2	2561.4	2870.5	2946.4	2850.2	2695.2	2533.2	2383.0	2322.7
2012.8	30°	2122.4	2294.5	2768.8	3045.0	3003.6	2805.6	2592.7	2411.9	2260.9	2197.5
2031.6	32.5°	2174.8	2410.4	3007.5	3171.0	2993.4	2710.9	2465.1	2275.8	2142.7	2076.2
2048.0	35°	2234.3	2552.8	3233.6	3239.9	2925.3	2571.6	2296.9	2113.0	1997.2	1943.9
2067.6	37.5°	2311.8	2733.6	3433.2	3257.1	2806.4	2367.3	2087.9	1920.5	1825.0	1800.7
2096.5	40°	2408.0	2951.1	3585.8	3229.7	2630.3	2119.2	1859.4	1725.6	1671.6	1677.1
2135.7	42.5°	2533.2	3194.5	3693.0	3159.3	2385.3	1863.3	1659.1	1599.6	1625.4	1647.3
2194.4	45°	2696.0	3447.3	3759.5	3039.6	2108.3	1646.6	1540.9	1555.0	1574.6	1576.9
2289.1	47.5°	2904.2	3703.2	3803.4	2858.8	1825.8	1494.0	1465.8	1468.9	1465.0	1448.6
2430.7	50°	3164.0	3952.1	3842.5	2619.3	1585.5	1398.5	1360.9	1350.0	1296.0	1242.7
2619.3	52.5°	3459.8	4180.6	3858.9	2321.9	1398.5	1318.7	1257.6	1188.7	1087.8	1071.4
2856.4	55°	3788.5	4391.9	3816.7	1956.5	1241.2	1216.1	1123.8	1040.8	1029.9	1015.8
3168.7	57.5°	4181.4	4619.6	3730.6	1548.7	1080.0	1096.4	1006.4	1015.8	996.2	974.3
3570.2	60°	4611.0	4855.2	3579.5	1177.0	913.3	946.9	975.9	975.1	969.6	951.6
3993.5	62.5°	4997.6	5010.1	3282.2	901.5	766.9	831.1	910.1	909.4	904.7	894.5
4435.7	65°	5227.7	4986.6	2786.0	709.8	646.4	735.6	820.9	827.2	828.0	827.2
4768.3	67.5°	5187.0	4711.9	2105.2	565.0	547.0	638.6	732.5	741.1	747.4	748.9
4810.6	70°	4726.8	4108.6	1372.7	450.8	458.6	553.3	648.8	657.4	662.8	669.1
4174.3	72.5°	3684.4	3020.8	785.7	364.7	381.1	479.7	565.8	576.0	579.1	590.9
2905.0	75°	2245.2	1776.5	424.2	287.2	313.0	410.1	483.6	495.4	500.9	514.9
1426.7	77.5°	1067.4	769.3	241.8	223.8	252.0	334.9	408.5	421.8	406.9	414.8
393.6	80°	360.8	285.6	152.6	170.6	192.5	261.4	327.1	340.4	309.1	307.6
130.7	82.5°	126.0	115.8	97.0	113.5	124.4	187.0	247.3	264.5	230.1	229.3
58.7	85°	49.3	47.0	54.0	61.8	74.3	115.0	162.8	171.4	141.6	114.3
17.2	87.5°	10.2	11.0	13.3	14.1	22.7	39.9	58.7	72.0	57.1	48.5
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°
1687.3
1750.6
1843.0
1949.4
2070.7
2209.2
2379.8
2565.3
2666.3
2613.8
2473.0
2329.8
2204.5
2084.8
1955.7
1817.9
1695.9
1667.7
1592.6
1461.1
1249.8
1076.8
1018.1
970.4
945.4
890.6
827.2
750.5
672.2
595.5
516.5
408.5
304.4
218.3
112.7
44.6
0.0

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