

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: McGRAW-EDISON

Report Number: P940572

Luminaire Tested: **GALN-SB3C-950-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3C-950-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 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: 15495 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

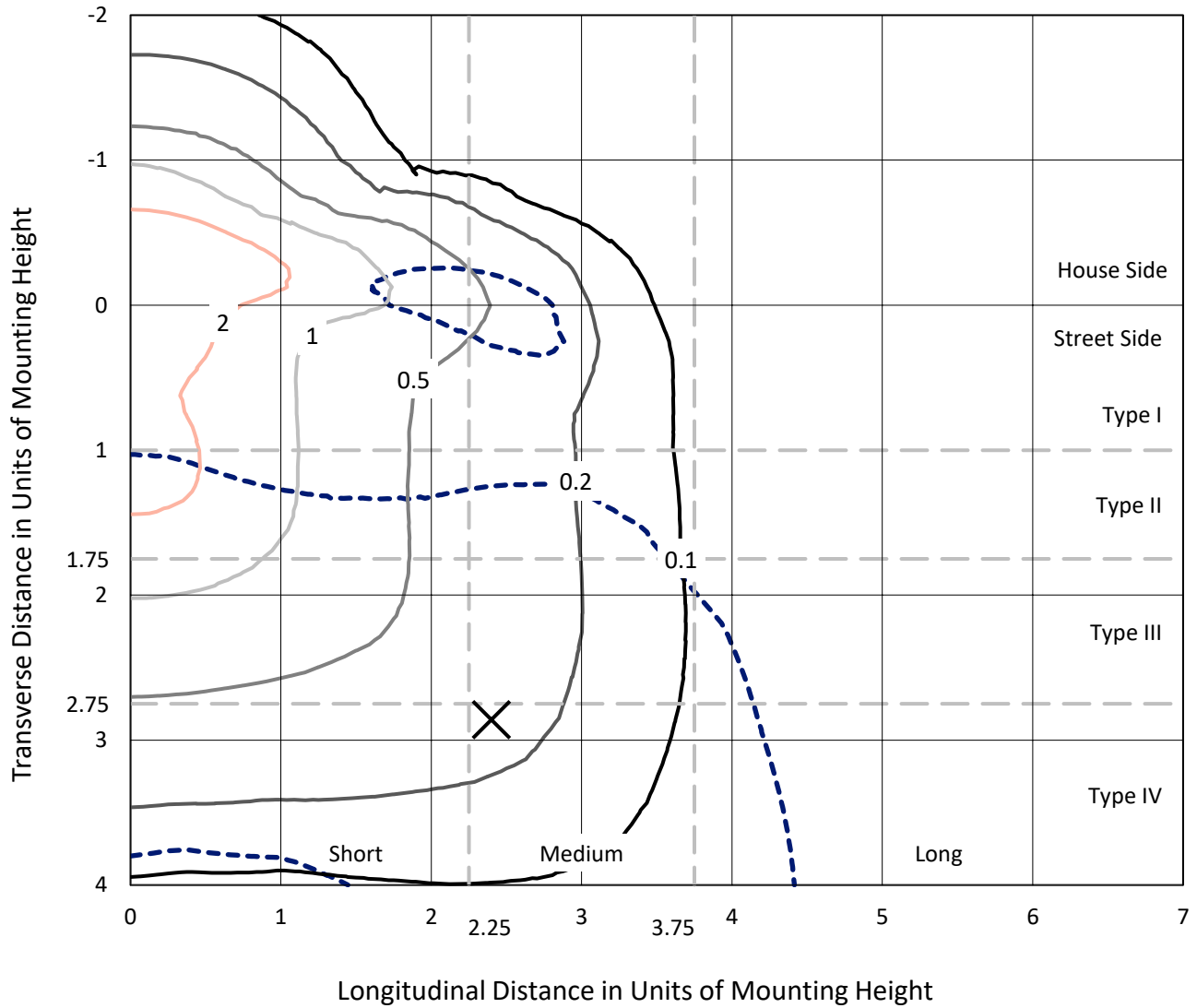
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

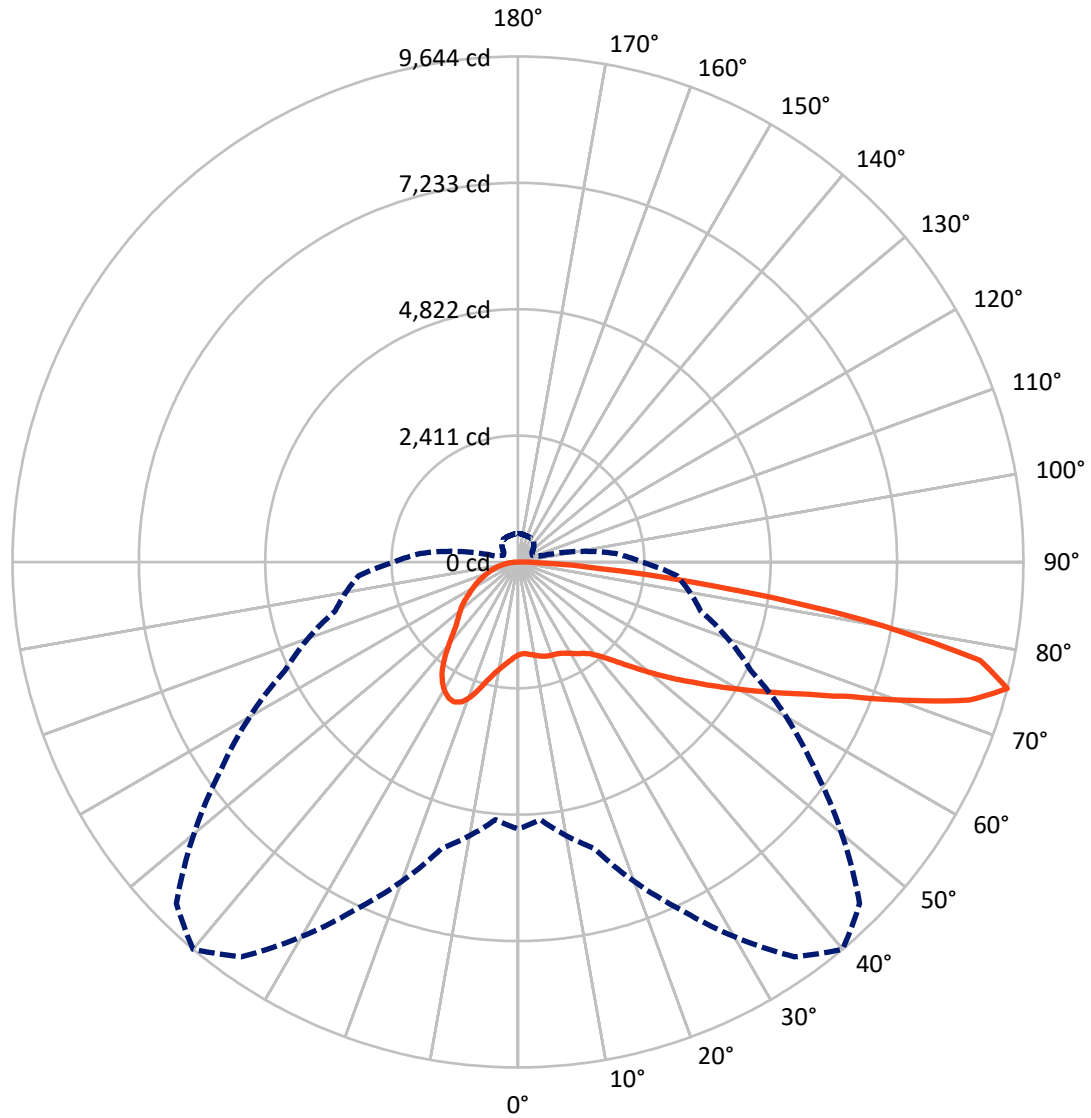
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	4800.9	0.0	4800.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	10694.1	0.0	10694.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	15495.0	0.0	15495.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.9	1.1
10°-20°	593.8	3.8
20°-30°	1084.3	7.0
30°-40°	1537.8	9.9
40°-50°	2076.5	13.4
50°-60°	2793.4	18.0
60°-70°	3545.5	22.9
70°-80°	3217.8	20.8
80°-90°	469.0	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°	15495.0	100.0
0°-180°	15495.0	100.0

Coefficient of Utilization



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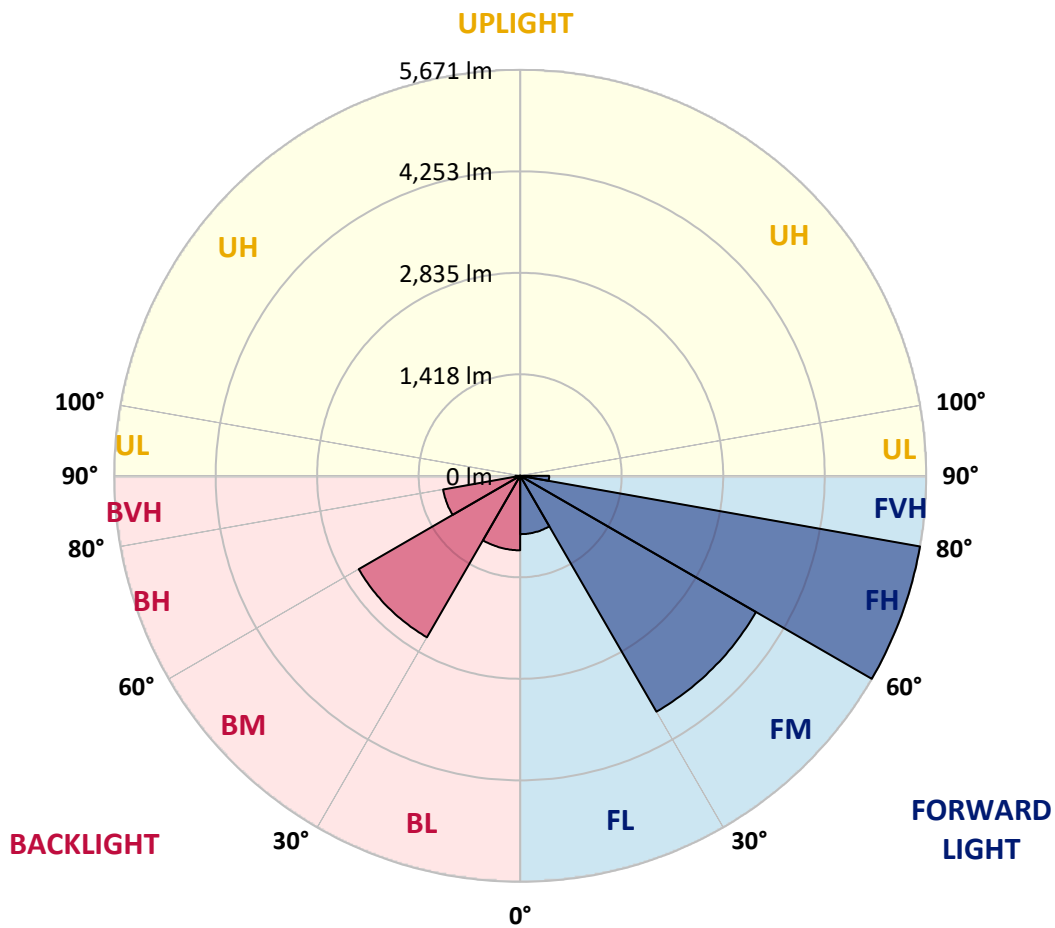
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	815.1	5.3			
FM (30°-60°)	3803.7	24.5			
FH (60°-80°)	5670.9	36.6			G3/7500
FVH (80°-90°)	404.5	2.6			G3/500
BL (0°-30°)	1039.9	6.7	B3/2500		
BM (30°-60°)	2604.0	16.8	B3/5000		
BH (60°-80°)	1092.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	64.6	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°	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9
2.5°	1744.8	1754.6	1752.1	1748.9	1748.9	1749.7	1748.9	1754.6	1760.4	1766.1
5°	1762.8	1772.7	1767.8	1763.7	1760.4	1759.5	1757.1	1756.3	1759.5	1766.9
7.5°	1798.2	1808.0	1800.6	1793.2	1786.7	1783.4	1780.1	1775.2	1772.7	1776.8
10°	1837.6	1847.5	1838.4	1825.3	1814.6	1810.5	1807.2	1802.3	1799.0	1801.5
12.5°	1877.1	1886.9	1874.6	1856.5	1842.6	1840.1	1836.0	1834.3	1833.5	1832.7
15°	1914.1	1922.3	1906.7	1885.3	1870.5	1866.4	1862.3	1864.7	1868.9	1873.8
17.5°	1942.8	1951.0	1928.0	1900.1	1886.1	1884.5	1882.0	1890.2	1901.7	1914.1
20°	1969.1	1977.3	1947.7	1909.9	1893.5	1893.5	1894.3	1911.6	1928.0	1946.1
22.5°	2006.1	2012.7	1976.5	1924.7	1900.9	1902.5	1909.1	1926.4	1946.9	1971.6
25°	2061.2	2066.1	2021.7	1952.7	1925.6	1930.5	1936.2	1944.5	1964.2	1992.9
27.5°	2149.9	2154.0	2095.7	2002.0	1960.9	1969.1	1977.3	1971.6	1980.6	2005.3
30°	2274.8	2277.3	2203.3	2079.2	2020.9	2025.0	2026.6	2002.8	1985.6	2005.3
32.5°	2422.8	2421.9	2334.0	2172.9	2089.1	2085.0	2071.0	2024.2	1983.9	2001.2
35°	2652.1	2643.0	2529.6	2304.4	2166.4	2140.9	2108.0	2048.0	1992.1	1997.1
37.5°	3031.7	3003.8	2846.8	2519.7	2281.4	2216.5	2168.0	2086.6	2010.2	1995.4
40°	3459.9	3424.6	3252.0	2814.8	2454.0	2349.6	2271.5	2141.7	2039.8	2002.8
42.5°	3967.8	3917.7	3731.9	3162.4	2672.6	2521.4	2403.9	2211.6	2083.3	2026.6
45°	4591.6	4525.0	4262.0	3554.4	2947.9	2746.6	2589.6	2317.6	2149.9	2072.7
47.5°	5221.9	5238.4	4864.4	4003.2	3278.3	3024.3	2822.2	2477.0	2246.9	2146.6
50°	5891.7	5903.2	5463.6	4500.4	3653.1	3338.3	3083.5	2655.3	2381.7	2251.8
52.5°	6414.4	6416.1	6007.6	5020.6	4043.4	3683.5	3365.4	2859.2	2537.8	2391.5
55°	6741.5	6737.4	6388.9	5512.9	4492.1	4045.9	3677.7	3090.9	2728.5	2555.9
57.5°	6979.0	6966.7	6651.9	5936.1	4970.5	4474.1	4031.1	3353.9	2953.7	2751.5
60°	7069.4	7062.0	6830.3	6301.8	5473.4	4947.4	4438.7	3648.1	3209.3	2982.4
62.5°	7103.9	7117.9	7005.3	6656.0	6011.7	5471.8	4886.6	3999.9	3496.9	3243.8
65°	7225.6	7251.0	7228.0	7119.5	6619.9	6085.7	5480.8	4418.2	3810.8	3524.0
67.5°	7466.4	7491.8	7501.7	7674.3	7362.8	6850.8	6222.1	4939.2	4178.2	3815.0
70°	7460.6	7453.2	7627.4	8115.6	8293.1	7910.2	7221.5	5580.3	4616.2	4056.6
72.5°	6790.8	6731.6	7143.4	8110.7	9067.3	9016.3	8441.9	6407.0	4994.3	4086.2
75°	5094.5	4936.8	5664.1	7309.4	9196.3	9644.2	9217.7	6919.8	4904.7	3610.3
77.5°	2178.7	2020.1	2877.2	5411.0	8230.7	9015.5	8506.0	6037.2	3915.2	2387.4
80°	570.4	569.5	869.5	2453.2	5597.5	6657.7	5840.8	3898.8	2237.0	853.1
82.5°	235.9	230.1	319.7	954.1	2735.1	3736.1	3049.0	1739.0	807.9	230.9
85°	87.9	87.1	155.3	329.6	964.8	1540.9	1115.2	444.6	201.3	112.6
87.5°	24.7	23.8	33.7	114.2	235.0	356.7	190.7	73.1	56.7	44.4
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°
1771.9	0°	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9	1771.9
1775.2	2.5°	1777.6	1781.7	1789.1	1794.9	1802.3	1810.5	1822.0	1829.4	1836.8	1841.7
1779.3	5°	1785.0	1794.1	1813.0	1831.9	1854.1	1874.6	1898.4	1915.7	1929.7	1933.8
1794.1	7.5°	1801.5	1816.3	1848.3	1880.4	1915.7	1949.4	1983.9	2013.5	2037.3	2046.4
1820.4	10°	1830.2	1849.9	1895.1	1940.3	1987.2	2039.0	2083.3	2126.1	2159.8	2173.8
1851.6	12.5°	1866.4	1891.0	1950.2	2012.7	2077.6	2149.1	2206.6	2259.2	2301.1	2320.0
1895.1	15°	1913.2	1945.3	2020.9	2104.7	2200.0	2299.5	2372.6	2431.0	2477.8	2500.8
1940.3	17.5°	1964.2	2006.9	2102.3	2228.8	2365.2	2495.9	2581.4	2624.1	2672.6	2694.8
1982.3	20°	2013.5	2066.1	2202.5	2386.6	2568.2	2707.1	2776.2	2787.7	2790.9	2793.4
2021.7	22.5°	2064.4	2135.1	2328.3	2585.5	2780.3	2876.4	2886.3	2837.0	2767.9	2735.9
2060.3	25°	2120.3	2214.0	2492.6	2804.9	2962.7	2974.2	2898.6	2778.6	2647.9	2588.0
2091.6	27.5°	2174.6	2305.2	2689.9	3014.5	3094.2	2993.1	2830.4	2660.3	2502.5	2439.2
2113.8	30°	2228.8	2409.6	2907.6	3197.8	3154.2	2946.3	2722.7	2532.9	2374.3	2307.7
2133.5	32.5°	2283.9	2531.2	3158.3	3330.1	3143.5	2846.8	2588.8	2389.9	2250.2	2180.3
2150.7	35°	2346.3	2680.8	3395.8	3402.4	3072.0	2700.5	2412.1	2219.0	2097.3	2041.4
2171.3	37.5°	2427.7	2870.7	3605.4	3420.5	2947.1	2486.0	2192.7	2016.8	1916.5	1891.0
2201.7	40°	2528.8	3099.1	3765.6	3391.7	2762.2	2225.5	1952.7	1812.1	1755.4	1761.2
2242.8	42.5°	2660.3	3354.7	3878.2	3317.7	2504.9	1956.8	1742.3	1679.8	1706.9	1730.0
2304.4	45°	2831.2	3620.2	3948.1	3192.0	2214.0	1729.1	1618.2	1633.0	1653.5	1656.0
2403.9	47.5°	3049.8	3888.9	3994.1	3002.2	1917.3	1568.9	1539.3	1542.6	1538.5	1521.2
2552.6	50°	3322.7	4150.3	4035.2	2750.7	1665.0	1468.6	1429.2	1417.7	1361.0	1305.1
2750.7	52.5°	3633.3	4390.2	4052.5	2438.4	1468.6	1384.8	1320.7	1248.4	1142.3	1125.1
2999.7	55°	3978.5	4612.1	4008.1	2054.6	1303.4	1277.1	1180.2	1093.0	1081.5	1066.7
3327.6	57.5°	4391.1	4851.3	3917.7	1626.4	1134.1	1151.4	1056.9	1066.7	1046.2	1023.2
3749.2	60°	4842.2	5098.7	3759.1	1236.0	959.1	994.4	1024.8	1024.0	1018.3	999.4
4193.8	62.5°	5248.2	5261.4	3446.8	946.8	805.4	872.8	955.8	955.0	950.0	939.4
4658.2	65°	5489.9	5236.7	2925.7	745.4	678.8	772.5	862.1	868.7	869.5	868.7
5007.4	67.5°	5447.1	4948.3	2210.7	593.4	574.5	670.6	769.2	778.3	784.9	786.5
5051.8	70°	4963.9	4314.6	1441.5	473.4	481.6	581.0	681.3	690.3	696.1	702.7
4383.7	72.5°	3869.2	3172.3	825.1	383.0	400.2	503.8	594.2	604.9	608.2	620.5
3050.6	75°	2357.8	1865.6	445.4	301.6	328.7	430.6	507.9	520.2	526.0	540.8
1498.2	77.5°	1121.0	807.9	253.9	235.0	264.6	351.7	429.0	443.0	427.4	435.6
413.4	80°	378.9	300.0	160.3	179.2	202.2	274.5	343.5	357.5	324.6	323.0
137.2	82.5°	132.3	121.6	101.9	119.2	130.7	196.4	259.7	277.8	241.6	240.8
61.6	85°	51.8	49.3	56.7	64.9	78.1	120.8	170.9	180.0	148.8	120.0
18.1	87.5°	10.7	11.5	14.0	14.8	23.8	41.9	61.6	75.6	60.0	51.0
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>
1771.9
1838.4
1935.4
2047.2
2174.6
2320.0
2499.2
2694.0
2800.0
2744.9
2597.0
2446.6
2315.1
2189.4
2053.8
1909.1
1780.9
1751.3
1672.4
1534.4
1312.5
1130.8
1069.2
1019.1
992.8
935.2
868.7
788.1
706.0
625.4
542.4
429.0
319.7
229.3
118.3
46.8
0.0

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