

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: P948735

Luminaire Tested: **GALN-SB3C-940-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-940-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16251 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

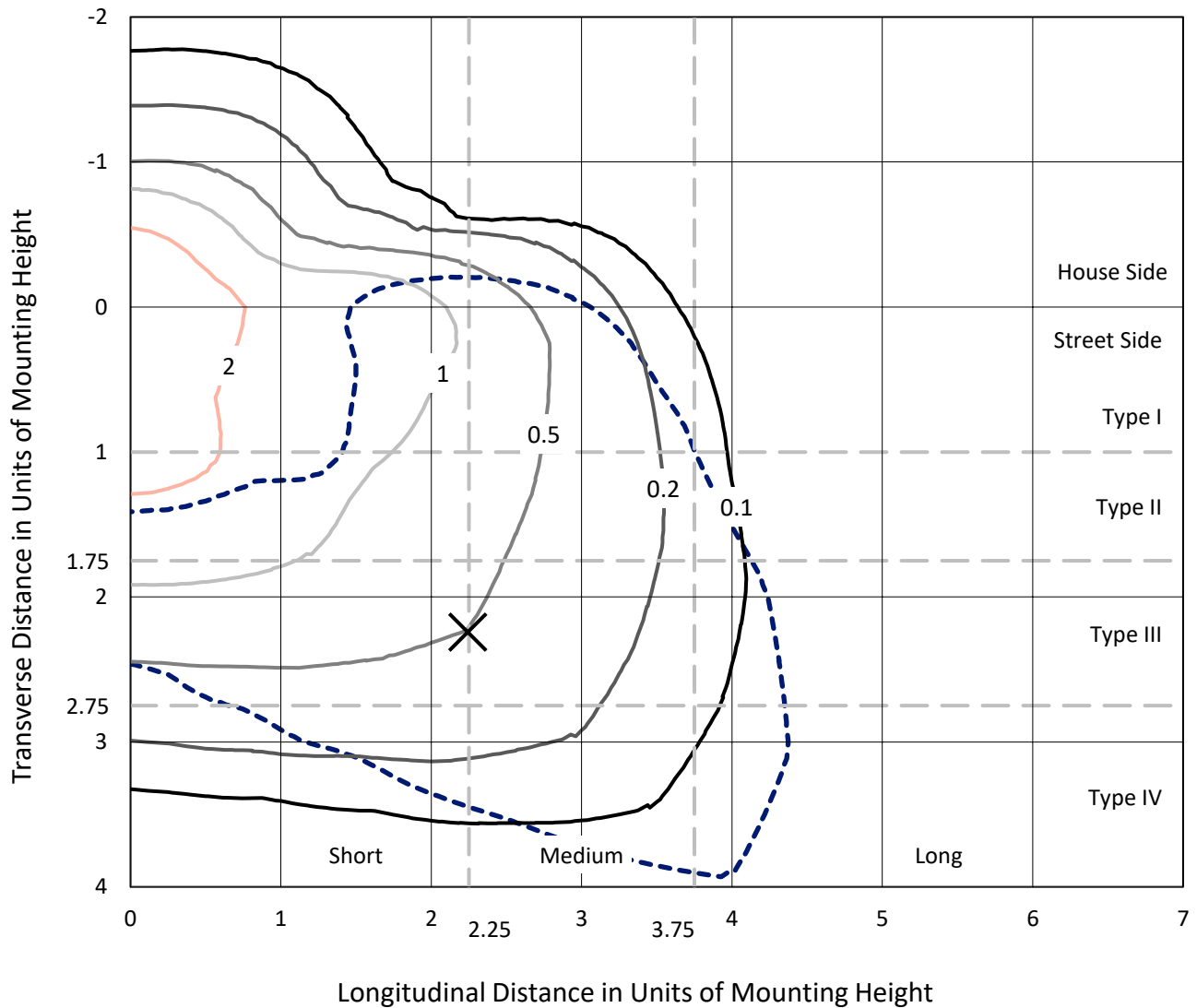
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

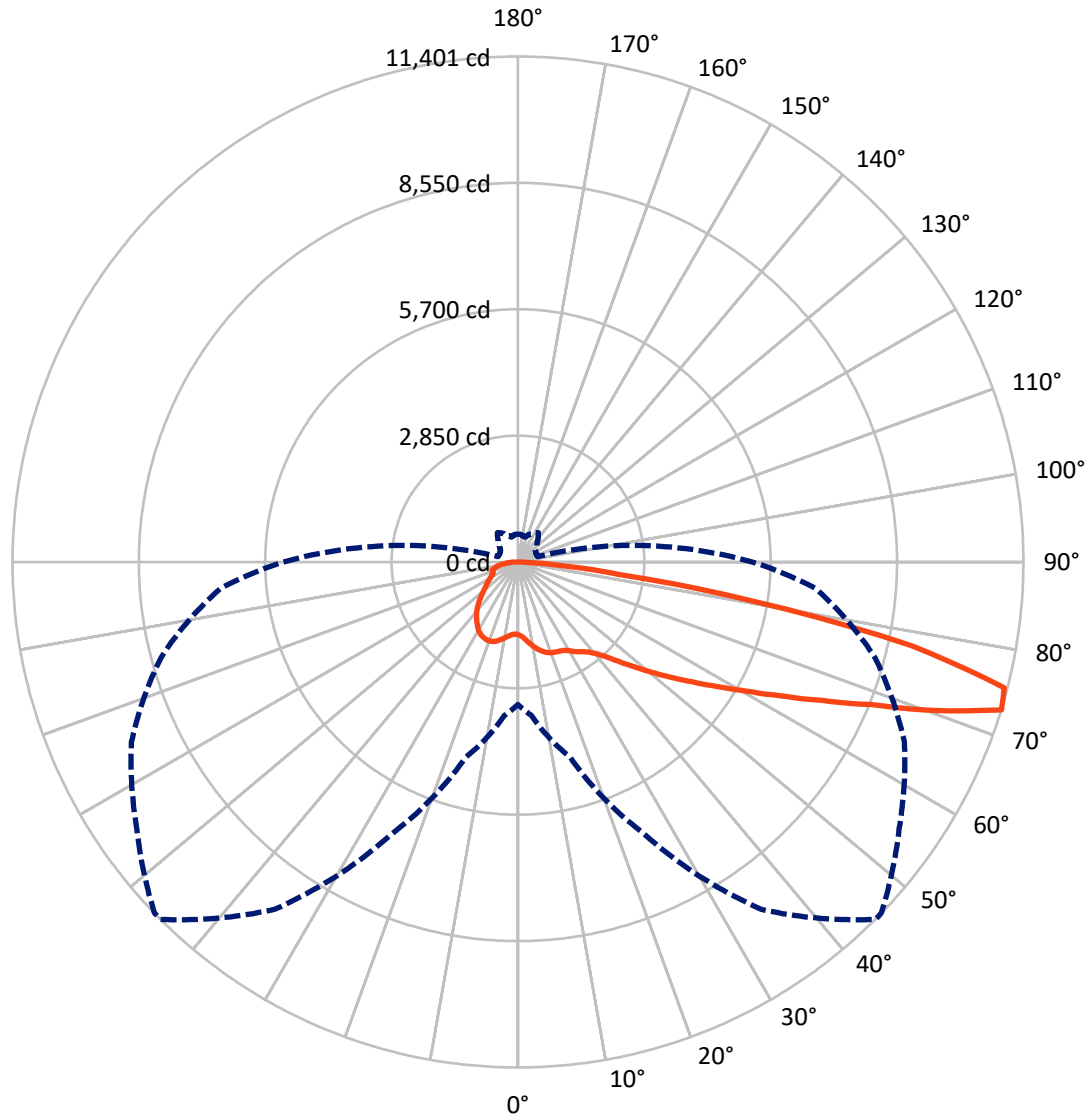
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3673.8	0.0	3673.8
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	12577.2	0.0	12577.2
	% Fixture	77.4	0.0	77.4
Total	Lumens	16251.0	0.0	16251.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.9	1.0
10°-20°	556.3	3.4
20°-30°	967.8	6.0
30°-40°	1387.4	8.5
40°-50°	1953.5	12.0
50°-60°	2992.2	18.4
60°-70°	4334.6	26.7
70°-80°	3461.4	21.3
80°-90°	431.1	2.7
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°	16251.0	100.0
0°-180°	16251.0	100.0



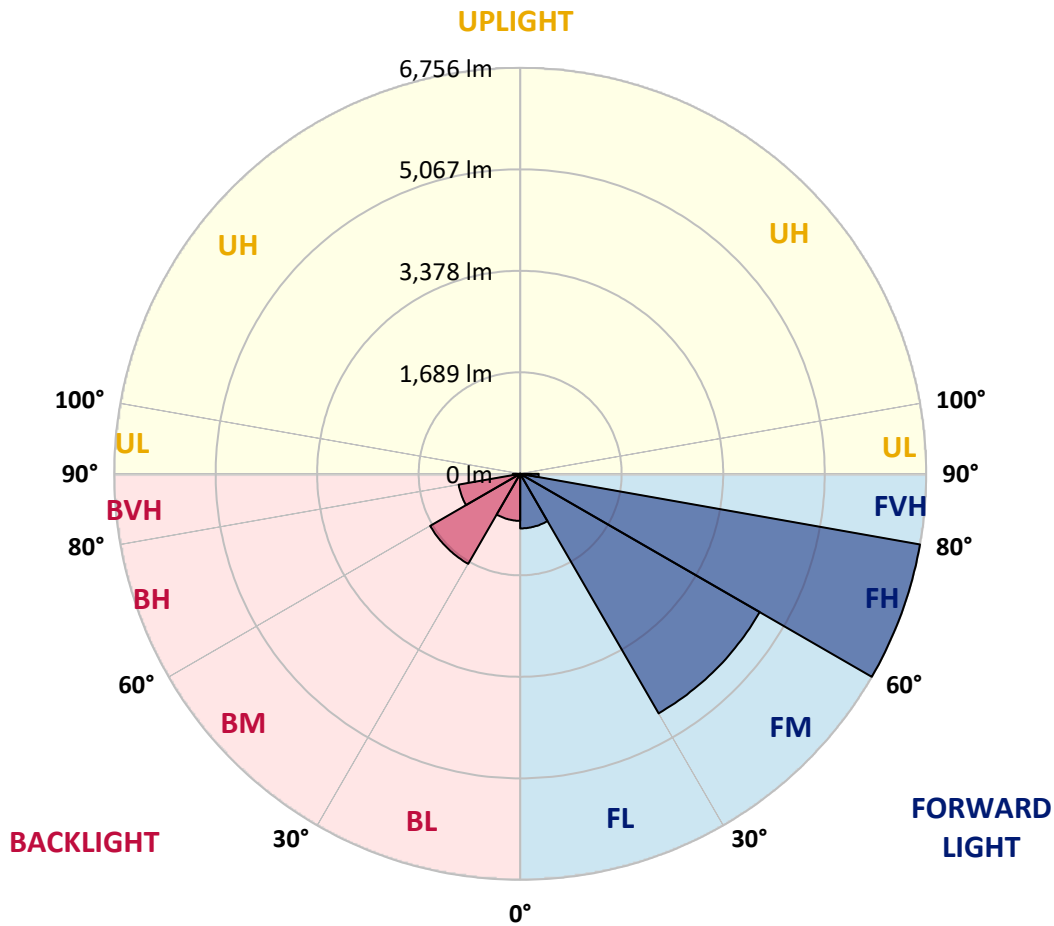
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	908.8	5.6			
FM (30°-60°)	4603.1	28.3			
FH (60°-80°)	6756.0	41.6			G3/7500
FVH (80°-90°)	309.3	1.9			G3/500
BL (0°-30°)	782.2	4.8	B2/1000		
BM (30°-60°)	1729.8	10.6	B2/2500		
BH (60°-80°)	1040.0	6.4	B3/2500		G3/2500
BVH (80°-90°)	121.8	0.7			G2/225
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4
2.5°	1703.6	1714.7	1704.5	1695.1	1690.8	1679.6	1678.8	1671.9	1667.7	1655.7
5°	1822.6	1837.2	1820.0	1801.2	1784.1	1756.7	1753.3	1733.6	1711.3	1685.6
7.5°	1957.0	1969.9	1950.2	1921.9	1892.0	1846.6	1845.7	1809.8	1774.7	1731.0
10°	2074.3	2091.4	2064.9	2026.4	1988.7	1937.3	1931.3	1890.2	1845.7	1789.2
12.5°	2177.9	2189.9	2164.2	2117.1	2073.4	2022.1	2014.4	1969.0	1919.4	1855.1
15°	2260.1	2275.5	2241.2	2190.7	2144.5	2094.0	2087.1	2046.1	1996.4	1928.8
17.5°	2314.0	2326.8	2291.7	2235.2	2190.7	2148.8	2143.6	2109.4	2065.7	1997.3
20°	2334.6	2348.3	2311.4	2254.1	2213.0	2180.5	2177.9	2153.1	2123.1	2060.6
22.5°	2355.1	2367.9	2320.0	2260.1	2224.1	2203.6	2202.7	2186.5	2174.5	2123.1
25°	2438.1	2441.6	2377.4	2290.9	2239.5	2221.5	2220.7	2219.8	2225.0	2184.7
27.5°	2510.1	2509.2	2454.4	2373.1	2293.5	2255.8	2254.9	2263.5	2279.8	2246.4
30°	2615.4	2605.9	2540.9	2456.1	2383.4	2325.1	2320.0	2312.3	2325.1	2298.6
32.5°	2838.8	2808.8	2703.5	2552.9	2457.8	2413.3	2406.5	2358.5	2363.7	2347.4
35°	3159.0	3119.6	2979.2	2736.1	2550.3	2486.9	2483.5	2422.7	2412.5	2397.9
37.5°	3539.9	3491.1	3327.6	3001.4	2709.5	2572.5	2567.4	2512.6	2470.7	2455.3
40°	3922.6	3861.0	3725.7	3325.0	2944.1	2715.5	2699.2	2616.2	2568.3	2542.6
42.5°	4294.1	4242.8	4127.2	3688.0	3233.4	2924.4	2888.4	2746.3	2710.4	2686.4
45°	4622.9	4576.6	4491.9	4075.8	3572.5	3208.6	3173.5	2941.5	2930.4	2930.4
47.5°	4890.0	4879.7	4789.8	4471.4	3972.3	3532.2	3471.4	3212.9	3242.9	3289.1
50°	5186.2	5157.9	5062.1	4860.9	4442.2	3902.9	3853.3	3545.9	3658.1	3784.8
52.5°	5458.4	5473.8	5366.8	5266.7	4973.0	4316.4	4229.1	3938.9	4181.1	4390.9
55°	5738.4	5739.2	5709.3	5695.6	5529.5	4773.5	4677.7	4411.4	4796.7	5056.9
57.5°	6001.2	6002.9	6047.4	6168.1	6175.0	5300.9	5192.2	4991.9	5480.7	5746.1
60°	6235.7	6247.7	6369.3	6651.8	6742.6	5905.3	5802.6	5677.6	6187.8	6454.9
62.5°	6314.5	6358.2	6628.7	7030.2	7303.3	6646.7	6545.7	6471.2	6930.9	7179.2
65°	6181.0	6281.1	6804.2	7342.7	7880.3	7527.6	7427.4	7346.1	7703.1	7936.8
67.5°	5853.1	5982.3	6793.9	7670.6	8580.6	8587.4	8494.1	8303.2	8530.9	8620.8
70°	4989.3	5182.8	6195.5	7793.0	9384.4	10036.8	9946.9	9455.5	9357.0	8922.2
72.5°	3214.6	3474.9	4562.1	6785.4	9563.4	11400.5	11395.4	10495.6	9618.2	8336.6
75°	1172.8	1332.1	2119.7	4259.0	8027.5	11331.2	11364.6	10317.6	8780.0	6439.5
77.5°	427.2	467.4	691.7	1636.8	4937.1	9091.7	9161.0	8248.4	6249.4	3231.7
80°	224.3	246.6	354.4	635.2	2115.4	5399.4	5508.1	4902.0	2937.2	973.4
82.5°	124.1	134.4	198.6	345.0	952.8	2308.9	2373.9	1936.5	1033.3	412.6
85°	66.8	71.1	93.3	188.3	465.7	800.4	818.4	578.7	411.8	242.3
87.5°	19.7	24.0	30.8	59.9	182.3	179.8	184.1	114.7	162.7	122.4
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°
1639.4	0°	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4	1639.4
1652.3	2.5°	1647.1	1644.5	1635.1	1630.8	1625.7	1624.9	1629.1	1630.0	1630.8	1631.7
1671.1	5°	1662.5	1654.0	1645.4	1640.3	1642.0	1642.8	1651.4	1657.4	1661.7	1665.1
1706.2	7.5°	1692.5	1685.6	1671.1	1670.2	1672.8	1680.5	1691.6	1705.3	1713.0	1719.0
1751.6	10°	1737.0	1724.2	1707.0	1709.6	1714.7	1725.9	1749.0	1760.1	1773.0	1784.1
1807.2	12.5°	1782.4	1771.2	1751.6	1753.3	1761.8	1781.5	1803.8	1817.5	1826.0	1834.6
1867.1	15°	1841.4	1821.8	1800.4	1800.4	1815.8	1837.2	1847.4	1858.6	1863.7	1873.1
1931.3	17.5°	1902.2	1876.5	1848.3	1846.6	1865.4	1875.7	1881.7	1883.4	1885.1	1895.4
1993.8	20°	1963.0	1934.8	1894.5	1891.1	1895.4	1893.7	1892.8	1891.1	1893.7	1906.5
2058.0	22.5°	2022.9	1990.4	1934.8	1919.4	1907.4	1891.1	1890.2	1889.4	1891.1	1903.9
2127.4	25°	2093.1	2053.8	1979.3	1933.0	1892.8	1870.6	1873.1	1874.0	1875.7	1886.0
2199.3	27.5°	2169.3	2125.7	2020.4	1928.8	1856.0	1840.6	1836.3	1838.9	1844.9	1861.1
2271.2	30°	2245.5	2194.2	2058.0	1911.6	1809.8	1788.4	1774.7	1780.7	1799.5	1815.8
2333.7	32.5°	2314.9	2263.5	2088.0	1874.0	1750.7	1717.3	1699.3	1707.0	1725.9	1731.9
2403.0	35°	2396.2	2338.0	2100.8	1814.1	1686.5	1635.1	1611.2	1600.0	1609.4	1603.5
2484.4	37.5°	2486.9	2426.2	2099.1	1735.3	1611.2	1552.1	1518.7	1476.8	1457.1	1436.5
2604.2	40°	2621.3	2534.0	2078.6	1640.3	1517.8	1463.9	1404.0	1332.9	1288.4	1248.2
2797.7	42.5°	2804.5	2683.8	2040.9	1535.8	1412.5	1362.0	1280.7	1197.7	1127.5	1060.7
3091.3	45°	3077.6	2879.9	1993.8	1424.5	1298.7	1249.0	1160.9	1067.5	987.9	902.3
3508.3	47.5°	3471.4	3143.6	1949.3	1297.8	1178.8	1133.5	1053.8	967.4	873.2	790.2
4110.9	50°	4012.5	3521.9	1908.2	1174.6	1060.7	1026.5	963.1	874.9	779.9	713.1
4817.2	52.5°	4700.8	4036.5	1891.1	1055.6	950.3	937.4	886.9	804.7	714.8	658.3
5640.8	55°	5491.0	4652.0	1891.1	941.7	853.5	857.8	822.7	746.5	668.6	618.1
6490.0	57.5°	6297.4	5275.2	1856.9	836.4	771.3	789.3	767.1	700.3	630.1	577.9
7382.9	60°	7040.5	5797.4	1718.2	740.5	698.6	726.8	712.3	654.9	569.3	525.6
8129.4	62.5°	7611.5	6091.9	1451.1	664.3	638.6	671.2	663.5	595.0	558.2	540.2
8742.4	65°	7897.4	6044.0	1109.5	596.7	588.1	638.6	622.4	619.8	590.7	570.2
8941.8	67.5°	7721.9	5631.4	804.7	547.0	559.0	608.7	671.2	681.4	627.5	587.3
8380.3	70°	6952.3	4884.8	599.3	500.0	522.2	609.5	765.3	713.1	615.5	568.4
6721.2	72.5°	5288.9	3642.7	464.9	450.3	474.3	613.8	807.3	698.6	581.3	628.4
4187.1	75°	3024.6	1999.8	373.3	389.5	414.3	573.6	785.9	660.9	554.7	577.0
1659.1	77.5°	1153.2	768.8	308.2	329.6	333.0	500.8	751.6	658.3	528.2	515.4
497.4	80°	399.8	300.5	255.1	262.0	257.7	445.2	720.8	572.7	432.3	387.0
205.5	82.5°	163.5	149.8	202.0	193.5	183.2	345.9	582.1	468.3	353.6	312.5
99.3	85°	71.1	95.0	133.5	117.3	106.2	239.7	466.6	396.4	298.8	257.7
32.5	87.5°	14.6	36.0	56.5	53.1	54.8	160.1	331.3	281.7	211.5	158.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
1639.4
1635.1
1666.8
1720.7
1781.5
1838.0
1876.5
1898.8
1911.6
1912.5
1899.7
1877.4
1833.7
1753.3
1622.3
1449.4
1250.7
1054.7
892.0
780.8
708.8
654.1
613.0
569.3
518.8
534.2
563.3
580.4
560.7
623.2
577.0
470.0
374.1
309.0
256.8
124.1
0.0

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