

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: P952242

Luminaire Tested: **GALN-SB6A-927-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952242
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-SB6A-927-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16525 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

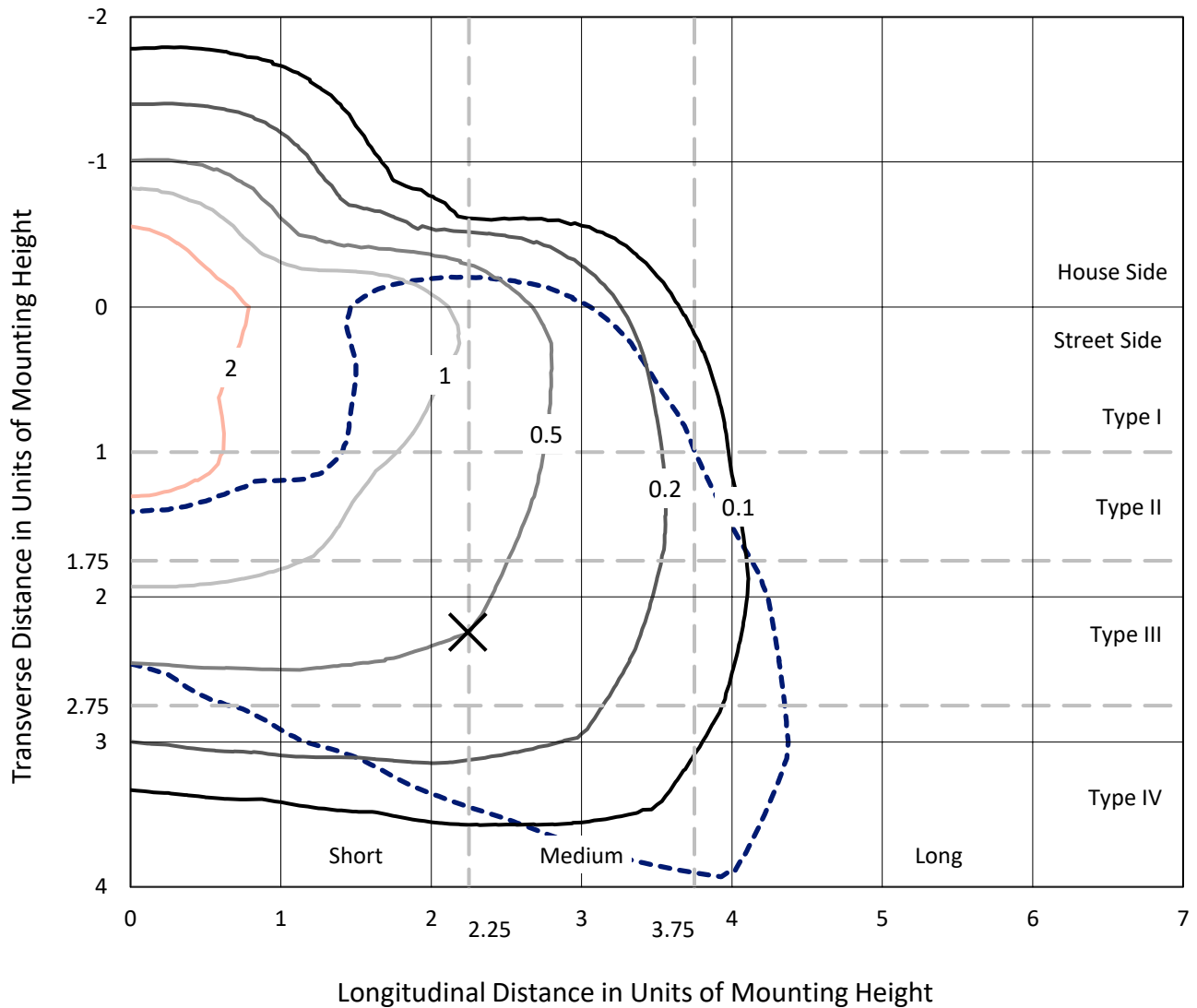
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

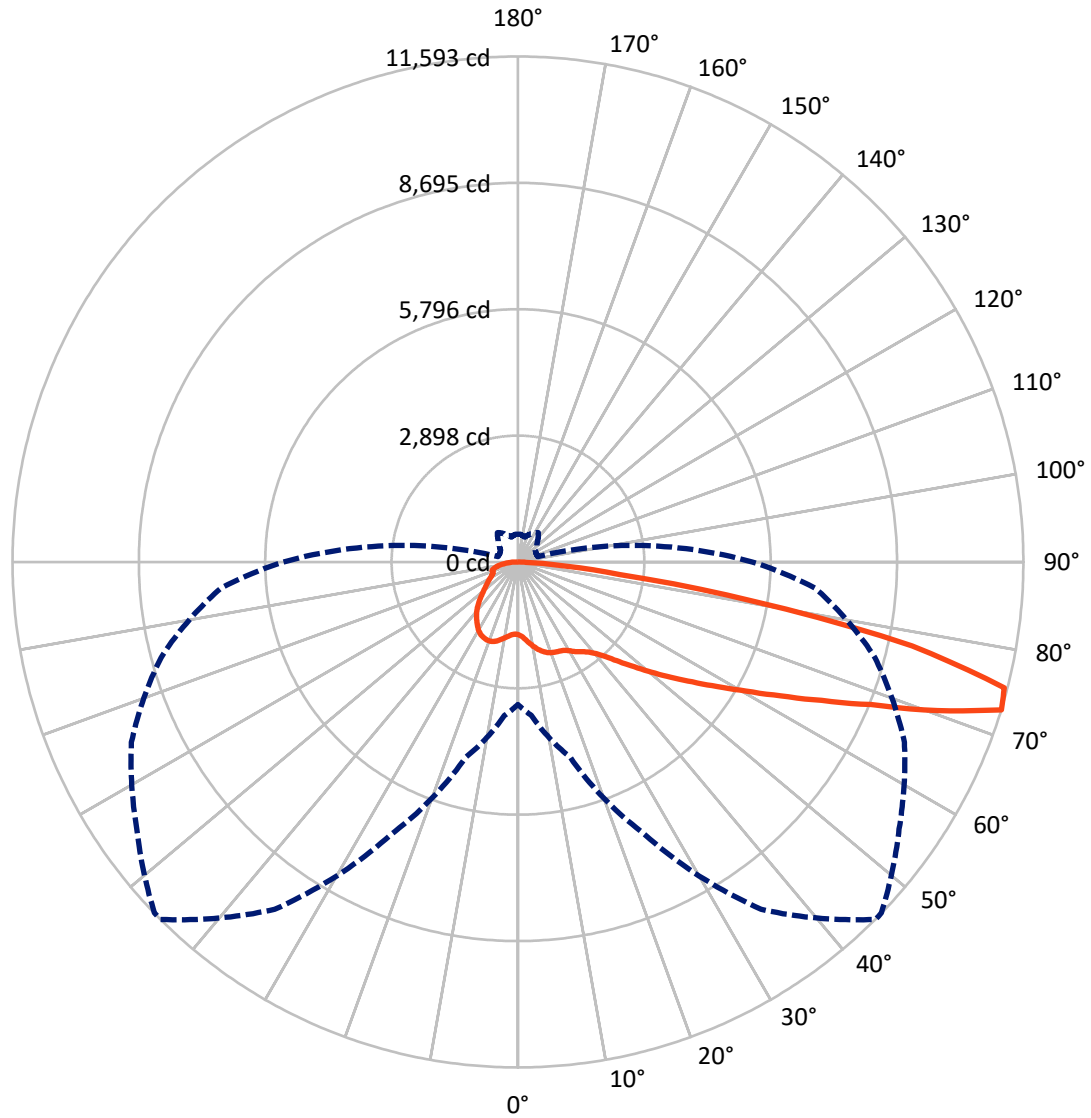
✕ Max cd
 - - - 1/2 Max cd



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	3735.7	0.0	3735.7
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	12789.3	0.0	12789.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	16525.0	0.0	16525.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.7	1.0
10°-20°	565.7	3.4
20°-30°	984.1	6.0
30°-40°	1410.7	8.5
40°-50°	1986.4	12.0
50°-60°	3042.6	18.4
60°-70°	4407.7	26.7
70°-80°	3519.8	21.3
80°-90°	438.4	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°	16525.0	100.0
0°-180°	16525.0	100.0

Coefficient of Utilization



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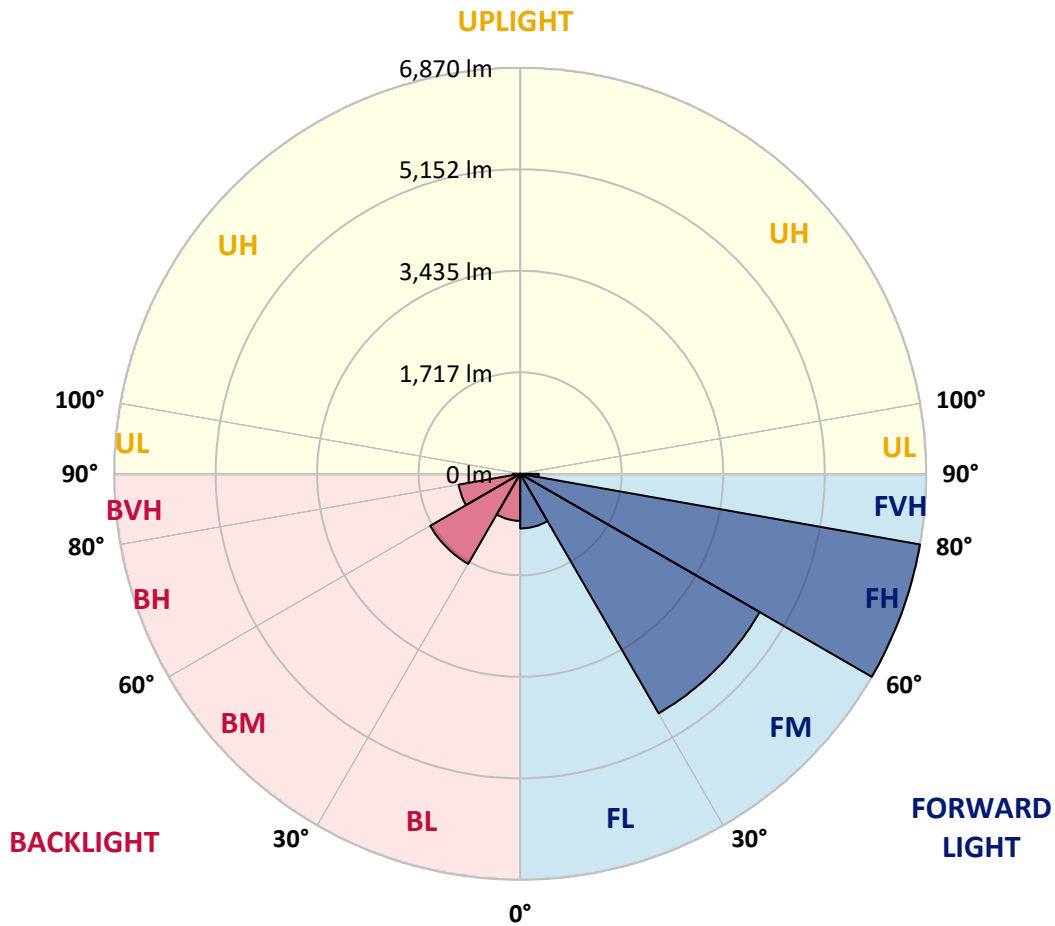
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	924.1	5.6			
FM (30°-60°)	4680.7	28.3			
FH (60°-80°)	6869.9	41.6			G3/7500
FVH (80°-90°)	314.5	1.9			G3/500
BL (0°-30°)	795.4	4.8	B2/1000		
BM (30°-60°)	1759.0	10.6	B2/2500		
BH (60°-80°)	1057.5	6.4	B3/2500		G3/2500
BVH (80°-90°)	123.9	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°	1667.1	1667.1	1667.1	1667.1	1667.1	1667.1	1667.1	1667.1	1667.1	1667.1
2.5°	1732.3	1743.7	1733.2	1723.6	1719.3	1708.0	1707.1	1700.1	1695.8	1683.6
5°	1853.3	1868.1	1850.7	1831.6	1814.2	1786.3	1782.8	1762.8	1740.2	1714.1
7.5°	1990.0	2003.1	1983.1	1954.3	1923.9	1877.7	1876.8	1840.3	1804.6	1760.2
10°	2109.3	2126.7	2099.7	2060.5	2022.2	1970.0	1963.9	1922.1	1876.8	1819.4
12.5°	2214.6	2226.8	2200.7	2152.8	2108.4	2056.2	2048.3	2002.2	1951.7	1886.4
15°	2298.2	2313.8	2279.0	2227.7	2180.7	2129.3	2122.3	2080.5	2030.1	1961.3
17.5°	2353.0	2366.1	2330.4	2272.9	2227.7	2185.0	2179.8	2145.0	2100.6	2030.9
20°	2373.9	2387.8	2350.4	2292.1	2250.3	2217.2	2214.6	2189.4	2158.9	2095.3
22.5°	2394.8	2407.9	2359.1	2298.2	2261.6	2240.7	2239.9	2223.3	2211.1	2158.9
25°	2479.2	2482.7	2417.4	2329.5	2277.3	2259.0	2258.1	2257.3	2262.5	2221.6
27.5°	2552.4	2551.5	2495.8	2413.1	2332.1	2293.8	2293.0	2301.7	2318.2	2284.3
30°	2659.4	2649.9	2583.7	2497.5	2423.5	2364.3	2359.1	2351.3	2364.3	2337.4
32.5°	2886.7	2856.2	2749.1	2595.9	2499.3	2454.0	2447.0	2398.3	2403.5	2387.0
35°	3212.2	3172.2	3029.4	2782.2	2593.3	2528.9	2525.4	2463.6	2453.1	2438.3
37.5°	3599.6	3550.0	3383.7	3052.1	2755.2	2615.9	2610.7	2555.0	2512.3	2496.7
40°	3988.7	3926.1	3788.5	3381.1	2993.7	2761.3	2744.8	2660.3	2611.6	2585.5
42.5°	4366.5	4314.3	4196.8	3750.2	3288.0	2973.7	2937.1	2792.6	2756.1	2731.7
45°	4700.8	4653.8	4567.6	4144.6	3632.7	3262.7	3227.0	2991.1	2979.8	2979.8
47.5°	4972.4	4962.0	4870.6	4546.7	4039.2	3591.8	3530.0	3267.1	3297.5	3344.5
50°	5273.6	5244.9	5147.4	4942.8	4517.1	3968.7	3918.2	3605.7	3719.7	3848.6
52.5°	5550.5	5566.1	5457.3	5355.5	5056.9	4389.2	4300.4	4005.3	4251.6	4464.9
55°	5835.1	5836.0	5805.5	5791.6	5622.7	4854.0	4756.5	4485.8	4877.5	5142.2
57.5°	6102.4	6104.1	6149.4	6272.1	6279.1	5390.3	5279.7	5076.0	5573.1	5842.9
60°	6340.9	6353.1	6476.7	6764.0	6856.2	6004.9	5900.4	5773.3	6292.1	6563.7
62.5°	6421.0	6465.4	6740.5	7148.7	7426.4	6758.7	6656.0	6580.3	7047.8	7300.2
65°	6285.2	6387.0	6918.9	7466.5	8013.2	7654.5	7552.7	7470.0	7833.0	8070.6
67.5°	5951.8	6083.2	6908.5	7799.9	8725.2	8732.2	8637.3	8443.2	8674.8	8766.2
70°	5073.4	5270.1	6300.0	7924.4	9542.7	10206.0	10114.6	9614.9	9514.8	9072.6
72.5°	3268.8	3533.5	4639.0	6899.8	9724.6	11592.8	11587.5	10672.6	9780.3	8477.1
75°	1192.6	1354.5	2155.4	4330.9	8162.9	11522.2	11556.2	10491.5	8928.1	6548.1
77.5°	434.4	475.3	703.4	1664.4	5020.3	9245.0	9315.5	8387.5	6354.8	3286.2
80°	228.1	250.7	360.4	645.9	2151.1	5490.4	5600.9	4984.6	2986.8	989.8
82.5°	126.2	136.7	202.0	350.8	968.9	2347.8	2414.0	1969.1	1050.7	419.6
85°	67.9	72.3	94.9	191.5	473.6	813.9	832.2	588.5	418.7	246.4
87.5°	20.0	24.4	31.3	60.9	185.4	182.8	187.2	116.7	165.4	124.5
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°
1667.1	0°	1667.1	1667.1	1667.1	1667.1	1667.1	1667.1	1667.1	1667.1	1667.1	1667.1
1680.1	2.5°	1674.9	1672.3	1662.7	1658.3	1653.1	1652.3	1656.6	1657.5	1658.3	1659.2
1699.3	5°	1690.6	1681.8	1673.1	1667.9	1669.7	1670.5	1679.2	1685.3	1689.7	1693.2
1735.0	7.5°	1721.0	1714.1	1699.3	1698.4	1701.0	1708.8	1720.2	1734.1	1741.9	1748.0
1781.1	10°	1766.3	1753.2	1735.8	1738.4	1743.7	1755.0	1778.5	1789.8	1802.9	1814.2
1837.7	12.5°	1812.4	1801.1	1781.1	1782.8	1791.5	1811.6	1834.2	1848.1	1856.8	1865.5
1898.6	15°	1872.5	1852.5	1830.7	1830.7	1846.4	1868.1	1878.6	1889.9	1895.1	1904.7
1963.9	17.5°	1934.3	1908.2	1879.5	1877.7	1896.9	1907.3	1913.4	1915.1	1916.9	1927.3
2027.4	20°	1996.1	1967.4	1926.5	1923.0	1927.3	1925.6	1924.7	1923.0	1925.6	1938.7
2092.7	22.5°	2057.0	2024.0	1967.4	1951.7	1939.5	1923.0	1922.1	1921.2	1923.0	1936.0
2163.2	25°	2128.4	2088.4	2012.6	1965.6	1924.7	1902.1	1904.7	1905.6	1907.3	1917.8
2236.4	27.5°	2205.9	2161.5	2054.4	1961.3	1887.3	1871.6	1867.3	1869.9	1876.0	1892.5
2309.5	30°	2283.4	2231.1	2092.7	1943.9	1840.3	1818.5	1804.6	1810.7	1829.8	1846.4
2373.0	32.5°	2353.9	2301.7	2123.2	1905.6	1780.2	1746.3	1728.0	1735.8	1755.0	1761.1
2443.6	35°	2436.6	2377.4	2136.3	1844.6	1714.9	1662.7	1638.3	1627.0	1636.6	1630.5
2526.3	37.5°	2528.9	2467.1	2134.5	1764.5	1638.3	1578.3	1544.3	1501.7	1481.6	1460.7
2648.1	40°	2665.5	2576.7	2113.6	1667.9	1543.4	1488.6	1427.7	1355.4	1310.1	1269.2
2844.9	42.5°	2851.8	2729.1	2075.3	1561.7	1436.4	1385.0	1302.3	1217.9	1146.5	1078.6
3143.5	45°	3129.5	2928.4	2027.4	1448.5	1320.6	1270.1	1180.4	1085.5	1004.6	917.5
3567.4	47.5°	3530.0	3196.6	1982.2	1319.7	1198.7	1152.6	1071.6	983.7	887.9	803.5
4180.2	50°	4080.1	3581.3	1940.4	1194.4	1078.6	1043.8	979.3	889.7	793.0	725.1
4898.4	52.5°	4780.0	4104.5	1923.0	1073.4	966.3	953.2	901.9	818.3	726.9	669.4
5735.9	55°	5583.5	4730.4	1923.0	957.6	867.9	872.3	836.6	759.1	679.9	628.5
6599.4	57.5°	6403.6	5364.2	1888.2	850.5	784.3	802.6	780.0	712.1	640.7	587.6
7507.4	60°	7159.2	5895.2	1747.1	753.0	710.3	739.1	724.3	665.9	578.9	534.5
8266.5	62.5°	7739.8	6194.6	1475.5	675.5	649.4	682.5	674.7	605.0	567.6	549.3
8889.8	65°	8030.6	6145.9	1128.2	606.8	598.0	649.4	632.9	630.3	600.7	579.8
9092.6	67.5°	7852.1	5726.3	818.3	556.3	568.5	618.9	682.5	692.9	638.1	597.2
8521.5	70°	7069.5	4967.2	609.4	508.4	531.0	619.8	778.2	725.1	625.9	578.0
6834.5	72.5°	5378.1	3704.1	472.7	457.9	482.3	624.2	820.9	710.3	591.1	639.0
4257.7	75°	3075.6	2033.5	379.5	396.1	421.3	583.3	799.1	672.0	564.1	586.7
1687.1	77.5°	1172.6	781.7	313.4	335.2	338.6	509.3	764.3	669.4	537.1	524.1
505.8	80°	406.5	305.6	259.4	266.4	262.0	452.7	733.0	582.4	439.6	393.5
208.9	82.5°	166.3	152.3	205.4	196.7	186.3	351.7	592.0	476.2	359.5	317.7
101.0	85°	72.3	96.6	135.8	119.3	107.9	243.7	474.4	403.1	303.8	262.0
33.1	87.5°	14.8	36.6	57.5	54.0	55.7	162.8	336.9	286.4	215.0	161.0
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>
1667.1
1662.7
1694.9
1749.8
1811.6
1869.0
1908.2
1930.8
1943.9
1944.7
1931.7
1909.1
1864.7
1782.8
1649.6
1473.8
1271.8
1072.5
907.1
793.9
720.8
665.1
623.3
578.9
527.5
543.2
572.8
590.2
570.2
633.7
586.7
477.9
380.4
314.3
261.2
126.2
0.0

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