

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: P947076

Luminaire Tested: **GALN-SB2C-740-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947076  
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-SB2C-740-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

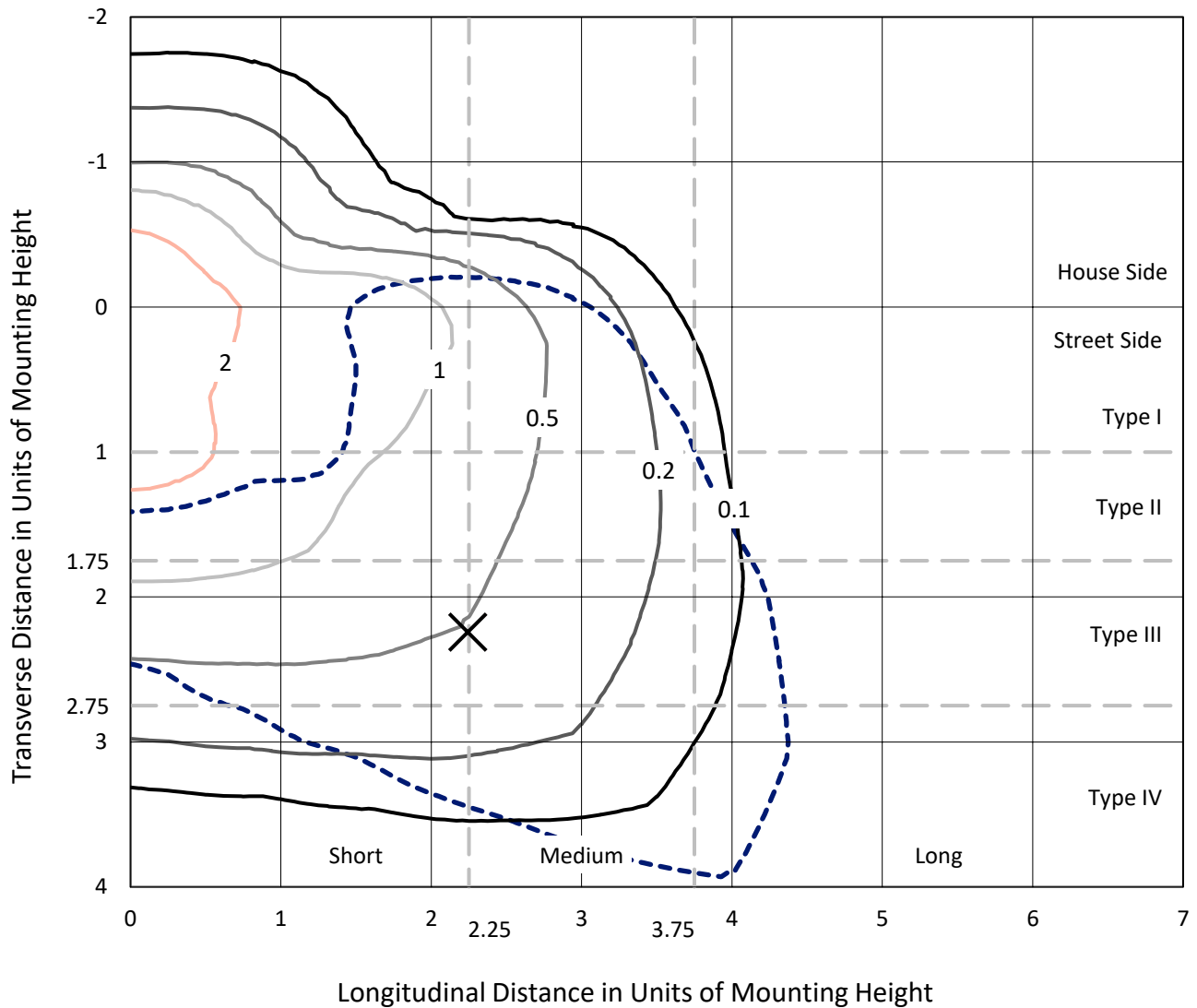
Lumens per Lamp: N/A  
Luminaire Lumens: 15814 lumens  
Efficiency: N/A  
Efficacy: 156.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

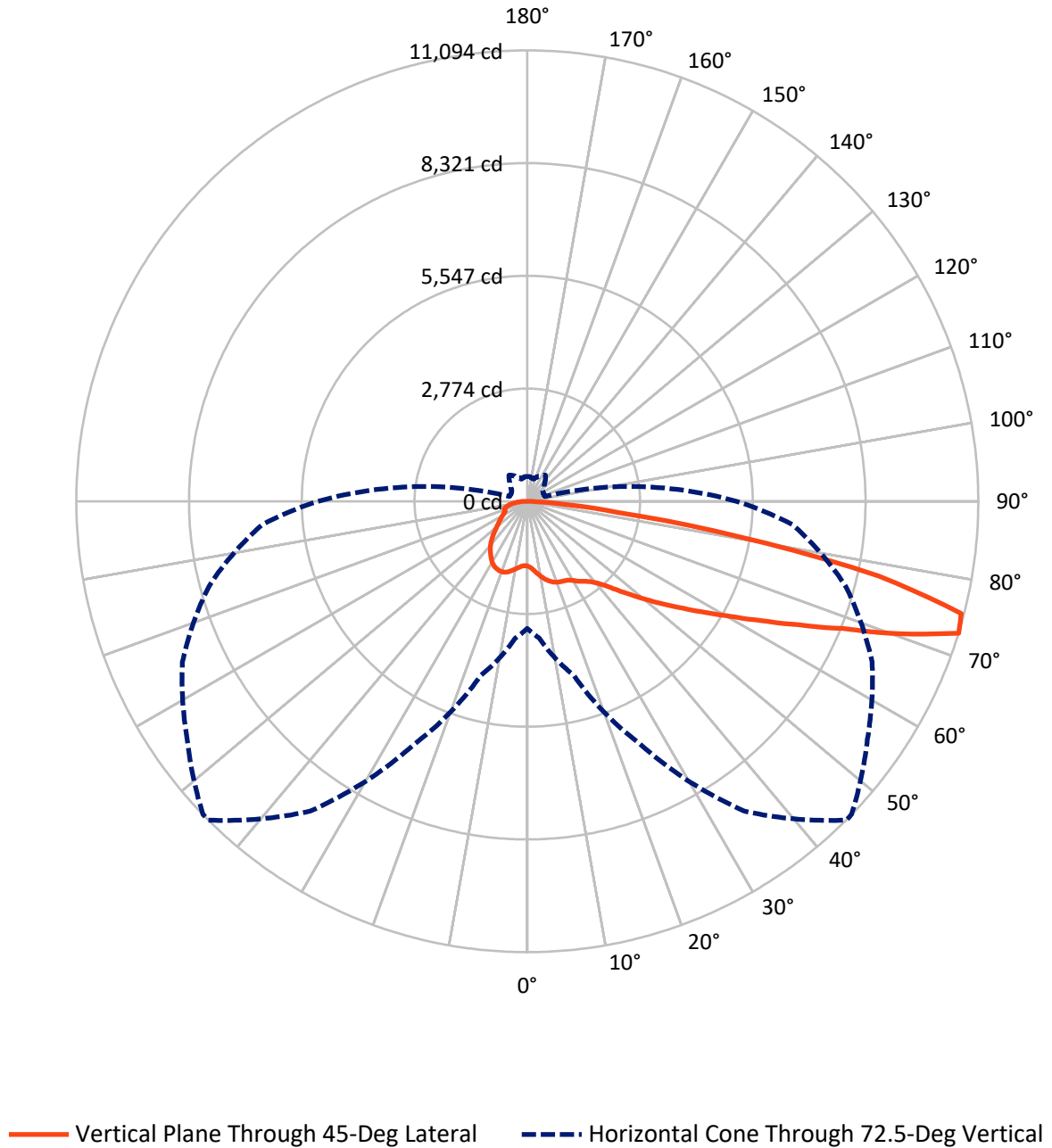
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3575.0	0.0	3575.0
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	12239.0	0.0	12239.0
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	15814.0	0.0	15814.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.4	1.0
10°-20°	541.4	3.4
20°-30°	941.7	6.0
30°-40°	1350.0	8.5
40°-50°	1900.9	12.0
50°-60°	2911.7	18.4
60°-70°	4218.0	26.7
70°-80°	3368.3	21.3
80°-90°	419.5	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°	15814.0	100.0
0°-180°	15814.0	100.0



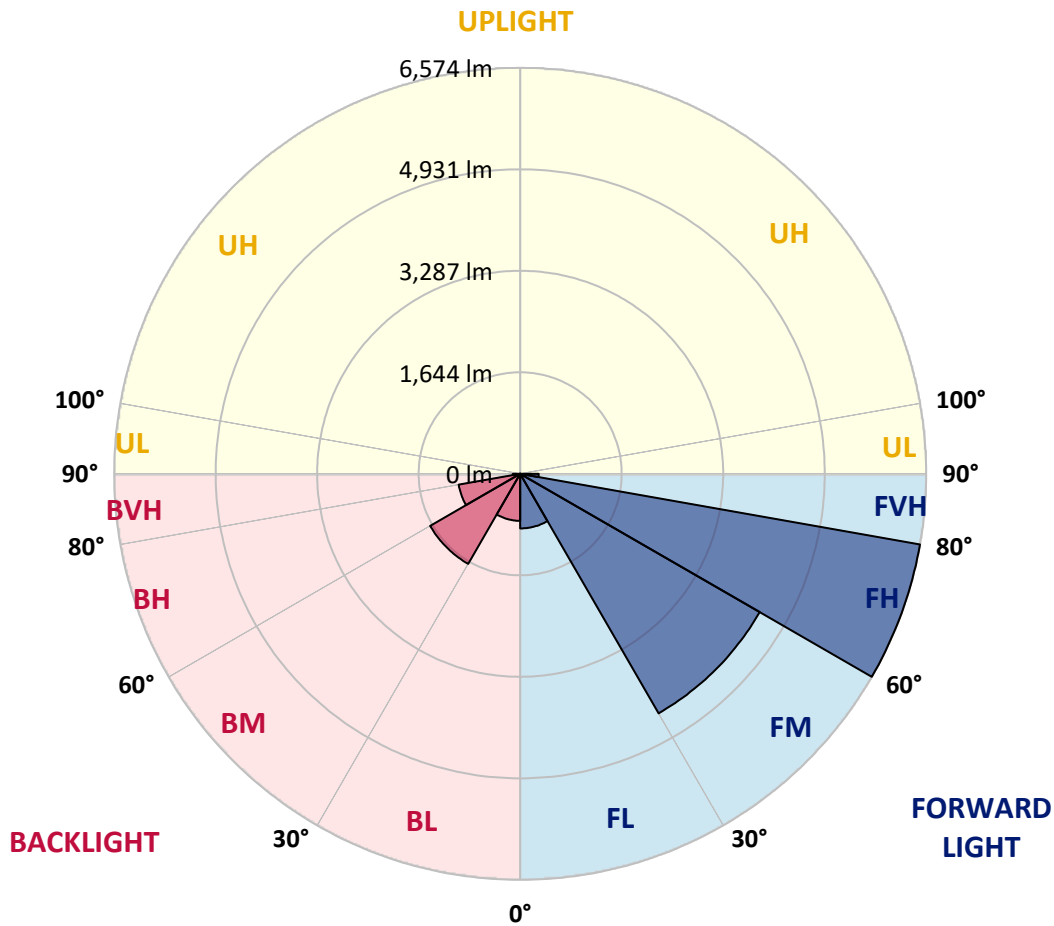
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	884.3	5.6			
FM (30°-60°)	4479.3	28.3			
FH (60°-80°)	6574.3	41.6			G3/7500
FVH (80°-90°)	301.0	1.9			G3/500
BL (0°-30°)	761.1	4.8	B2/1000		
BM (30°-60°)	1683.3	10.6	B2/2500		
BH (60°-80°)	1012.0	6.4	B3/2500		G3/2500
BVH (80°-90°)	118.6	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°	1595.3	1595.3	1595.3	1595.3	1595.3	1595.3	1595.3	1595.3	1595.3	1595.3
2.5°	1657.8	1668.6	1658.6	1649.5	1645.3	1634.5	1633.6	1627.0	1622.8	1611.2
5°	1773.6	1787.8	1771.1	1752.8	1736.1	1709.5	1706.1	1687.0	1665.3	1640.3
7.5°	1904.4	1916.9	1897.7	1870.2	1841.1	1796.9	1796.1	1761.1	1726.9	1684.5
10°	2018.5	2035.2	2009.4	1971.9	1935.2	1885.2	1879.4	1839.4	1796.1	1741.1
12.5°	2119.3	2131.0	2106.0	2060.2	2017.7	1967.7	1960.2	1916.1	1867.7	1805.3
15°	2199.3	2214.3	2181.0	2131.8	2086.8	2037.7	2031.0	1991.0	1942.7	1876.9
17.5°	2251.8	2264.3	2230.1	2175.1	2131.8	2091.0	2086.0	2052.7	2010.2	1943.5
20°	2271.8	2285.1	2249.3	2193.5	2153.5	2121.8	2119.3	2095.2	2066.0	2005.2
22.5°	2291.8	2304.3	2257.6	2199.3	2164.3	2144.3	2143.5	2127.7	2116.0	2066.0
25°	2372.6	2375.9	2313.4	2229.3	2179.3	2161.8	2161.0	2160.1	2165.1	2126.0
27.5°	2442.6	2441.7	2388.4	2309.3	2231.8	2195.1	2194.3	2202.6	2218.5	2186.0
30°	2545.0	2535.9	2472.5	2390.1	2319.3	2262.6	2257.6	2250.1	2262.6	2236.8
32.5°	2762.5	2733.3	2630.8	2484.2	2391.7	2348.4	2341.8	2295.1	2300.1	2284.3
35°	3074.0	3035.7	2899.1	2662.5	2481.7	2420.1	2416.7	2357.6	2347.6	2333.4
37.5°	3444.7	3397.3	3238.1	2920.7	2636.7	2503.4	2498.4	2445.1	2404.2	2389.2
40°	3817.1	3757.1	3625.5	3235.6	2864.9	2642.5	2626.7	2545.9	2499.2	2474.2
42.5°	4178.7	4128.7	4016.2	3588.9	3146.5	2845.8	2810.8	2672.5	2637.5	2614.2
45°	4498.6	4453.6	4371.1	3966.2	3476.4	3122.3	3088.2	2862.4	2851.6	2851.6
47.5°	4758.5	4748.5	4661.0	4351.1	3865.4	3437.2	3378.1	3126.5	3155.7	3200.6
50°	5046.7	5019.2	4925.9	4730.2	4322.8	3798.0	3749.6	3450.6	3559.7	3683.0
52.5°	5311.6	5326.6	5222.5	5125.0	4839.3	4200.3	4115.4	3832.9	4068.7	4272.8
55°	5584.1	5584.9	5555.7	5542.4	5380.8	4645.2	4551.9	4292.8	4667.7	4920.9
57.5°	5839.8	5841.5	5884.8	6002.3	6008.9	5158.4	5052.6	4857.6	5333.3	5591.6
60°	6068.1	6079.7	6198.0	6472.9	6561.2	5746.5	5646.5	5524.9	6021.4	6281.3
62.5°	6144.7	6187.2	6450.4	6841.2	7106.9	6467.9	6369.6	6297.2	6744.5	6986.1
65°	6014.7	6112.2	6621.2	7145.2	7668.4	7325.2	7227.7	7148.6	7495.9	7723.4
67.5°	5695.7	5821.5	6611.2	7464.3	8349.8	8356.5	8265.7	8079.9	8301.5	8389.0
70°	4855.1	5043.4	6028.9	7583.4	9132.1	9766.9	9679.4	9201.2	9105.4	8682.2
72.5°	3128.2	3381.4	4439.4	6602.9	9306.2	11094.0	11089.0	10213.4	9359.5	8112.4
75°	1141.3	1296.3	2062.7	4144.5	7811.7	11026.5	11059.0	10040.1	8543.9	6266.3
77.5°	415.7	454.9	673.1	1592.8	4804.3	8847.2	8914.7	8026.6	6081.4	3144.8
80°	218.3	239.9	344.9	618.1	2058.5	5254.2	5360.0	4770.1	2858.3	947.2
82.5°	120.8	130.8	193.3	335.7	927.2	2246.8	2310.1	1884.4	1005.5	401.5
85°	65.0	69.1	90.8	183.3	453.2	778.9	796.4	563.2	400.7	235.8
87.5°	19.2	23.3	30.0	58.3	177.4	174.9	179.1	111.6	158.3	119.1
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°
1595.3	0°	1595.3	1595.3	1595.3	1595.3	1595.3	1595.3	1595.3	1595.3	1595.3	1595.3
1607.8	2.5°	1602.8	1600.3	1591.2	1587.0	1582.0	1581.2	1585.3	1586.2	1587.0	1587.8
1626.1	5°	1617.8	1609.5	1601.2	1596.2	1597.8	1598.7	1607.0	1612.8	1617.0	1620.3
1660.3	7.5°	1647.0	1640.3	1626.1	1625.3	1627.8	1635.3	1646.1	1659.5	1667.0	1672.8
1704.5	10°	1690.3	1677.8	1661.1	1663.6	1668.6	1679.5	1702.0	1712.8	1725.3	1736.1
1758.6	12.5°	1734.4	1723.6	1704.5	1706.1	1714.5	1733.6	1755.3	1768.6	1776.9	1785.3
1816.9	15°	1791.9	1772.8	1751.9	1751.9	1766.9	1787.8	1797.8	1808.6	1813.6	1822.8
1879.4	17.5°	1851.1	1826.1	1798.6	1796.9	1815.3	1825.3	1831.1	1832.7	1834.4	1844.4
1940.2	20°	1910.2	1882.7	1843.6	1840.2	1844.4	1842.7	1841.9	1840.2	1842.7	1855.2
2002.7	22.5°	1968.5	1936.9	1882.7	1867.7	1856.1	1840.2	1839.4	1838.6	1840.2	1852.7
2070.2	25°	2036.9	1998.5	1926.1	1881.1	1841.9	1820.3	1822.8	1823.6	1825.3	1835.2
2140.2	27.5°	2111.0	2068.5	1966.0	1876.9	1806.1	1791.1	1786.9	1789.4	1795.3	1811.1
2210.1	30°	2185.1	2135.2	2002.7	1860.2	1761.1	1740.3	1726.9	1732.8	1751.1	1766.9
2270.9	32.5°	2252.6	2202.6	2031.9	1823.6	1703.6	1671.1	1653.6	1661.1	1679.5	1685.3
2338.4	35°	2331.8	2275.1	2044.3	1765.3	1641.1	1591.2	1567.8	1557.0	1566.2	1560.3
2417.6	37.5°	2420.1	2360.9	2042.7	1688.6	1567.8	1510.4	1477.9	1437.0	1417.9	1397.9
2534.2	40°	2550.9	2465.9	2022.7	1596.2	1477.0	1424.5	1366.2	1297.1	1253.8	1214.6
2722.5	42.5°	2729.1	2611.7	1986.0	1494.5	1374.6	1325.4	1246.3	1165.5	1097.2	1032.2
3008.2	45°	2994.9	2802.4	1940.2	1386.2	1263.8	1215.4	1129.6	1038.8	961.4	878.1
3413.9	47.5°	3378.1	3059.0	1896.9	1262.9	1147.1	1103.0	1025.5	941.4	849.7	768.9
4000.4	50°	3904.6	3427.2	1856.9	1143.0	1032.2	998.8	937.2	851.4	758.9	693.9
4687.7	52.5°	4574.4	3927.9	1840.2	1027.2	924.7	912.2	863.1	783.1	695.6	640.6
5489.1	55°	5343.3	4526.9	1840.2	916.4	830.6	834.7	800.6	726.4	650.6	601.5
6315.5	57.5°	6128.0	5133.4	1806.9	813.9	750.6	768.1	746.4	681.4	613.1	562.3
7184.4	60°	6851.1	5641.5	1672.0	720.6	679.8	707.3	693.1	637.3	554.0	511.5
7910.8	62.5°	7406.8	5928.1	1412.0	646.5	621.5	653.1	645.6	579.0	543.2	525.7
8507.3	65°	7685.1	5881.5	1079.7	580.6	572.3	621.5	605.6	603.1	574.8	554.8
8701.4	67.5°	7514.3	5479.9	783.1	532.3	544.0	592.3	653.1	663.1	610.6	571.5
8154.9	70°	6765.3	4753.5	583.1	486.5	508.2	593.1	744.8	693.9	599.0	553.2
6540.4	72.5°	5146.7	3544.7	452.4	438.2	461.5	597.3	785.6	679.8	565.7	611.5
4074.5	75°	2943.2	1946.0	363.2	379.0	403.2	558.2	764.8	643.1	539.8	561.5
1614.5	77.5°	1122.1	748.1	299.9	320.7	324.1	487.3	731.4	640.6	514.0	501.5
484.0	80°	389.0	292.4	248.3	254.9	250.8	433.2	701.4	557.3	420.7	376.5
199.9	82.5°	159.1	145.8	196.6	188.3	178.3	336.6	566.5	455.7	344.1	304.1
96.6	85°	69.1	92.5	130.0	114.1	103.3	233.3	454.0	385.7	290.7	250.8
31.7	87.5°	14.2	35.0	55.0	51.7	53.3	155.8	322.4	274.1	205.8	154.1
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

180°  
1595.3  
1591.2  
1622.0  
1674.5  
1733.6  
1788.6  
1826.1  
1847.7  
1860.2  
1861.1  
1848.6  
1826.9  
1784.4  
1706.1  
1578.7  
1410.4  
1217.1  
1026.3  
868.1  
759.8  
689.8  
636.5  
596.5  
554.0  
504.8  
519.8  
548.2  
564.8  
545.7  
606.5  
561.5  
457.4  
364.1  
300.7  
249.9  
120.8  
0.0

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