

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: P948672

Luminaire Tested: **GALN-SB3C-927-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948672  
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-927-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

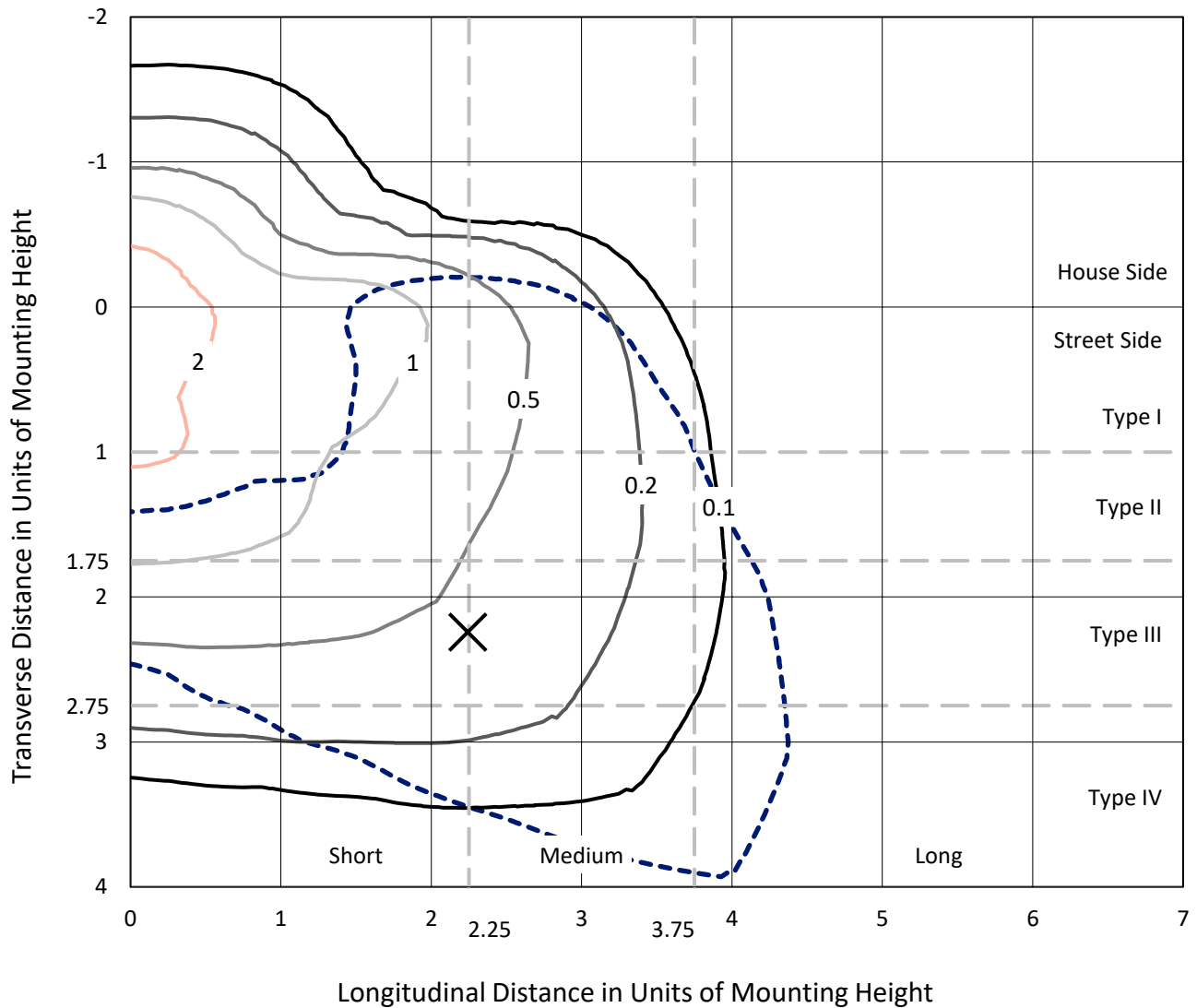
Lumens per Lamp: N/A  
Luminaire Lumens: 13651 lumens  
Efficiency: N/A  
Efficacy: 91.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

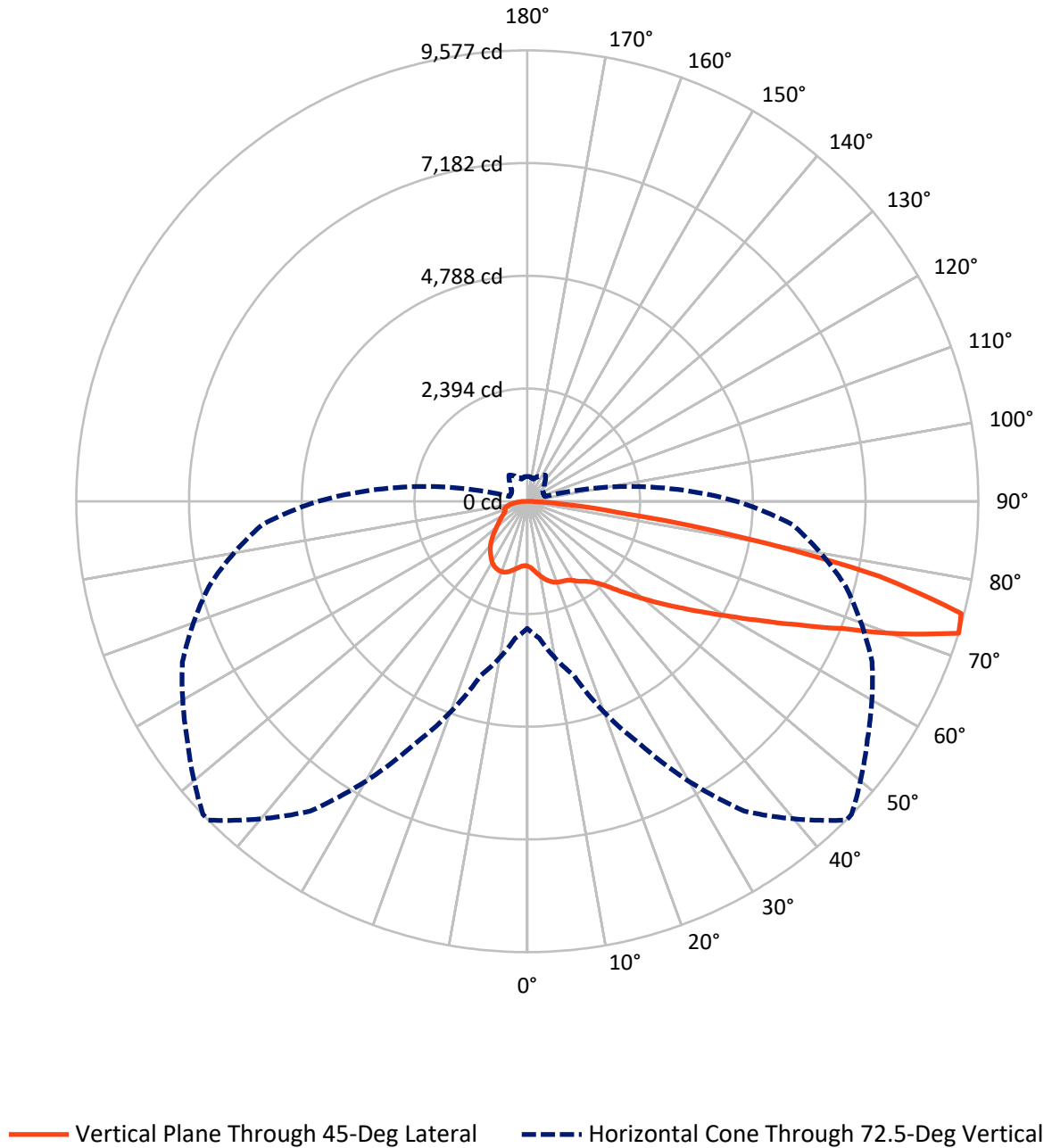
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	3086.0	0.0	3086.0
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	10565.0	0.0	10565.0
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	13651.0	0.0	13651.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.2	1.0
10°-20°	467.3	3.4
20°-30°	812.9	6.0
30°-40°	1165.4	8.5
40°-50°	1640.9	12.0
50°-60°	2513.4	18.4
60°-70°	3641.1	26.7
70°-80°	2907.6	21.3
80°-90°	362.1	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°	13651.0	100.0
0°-180°	13651.0	100.0



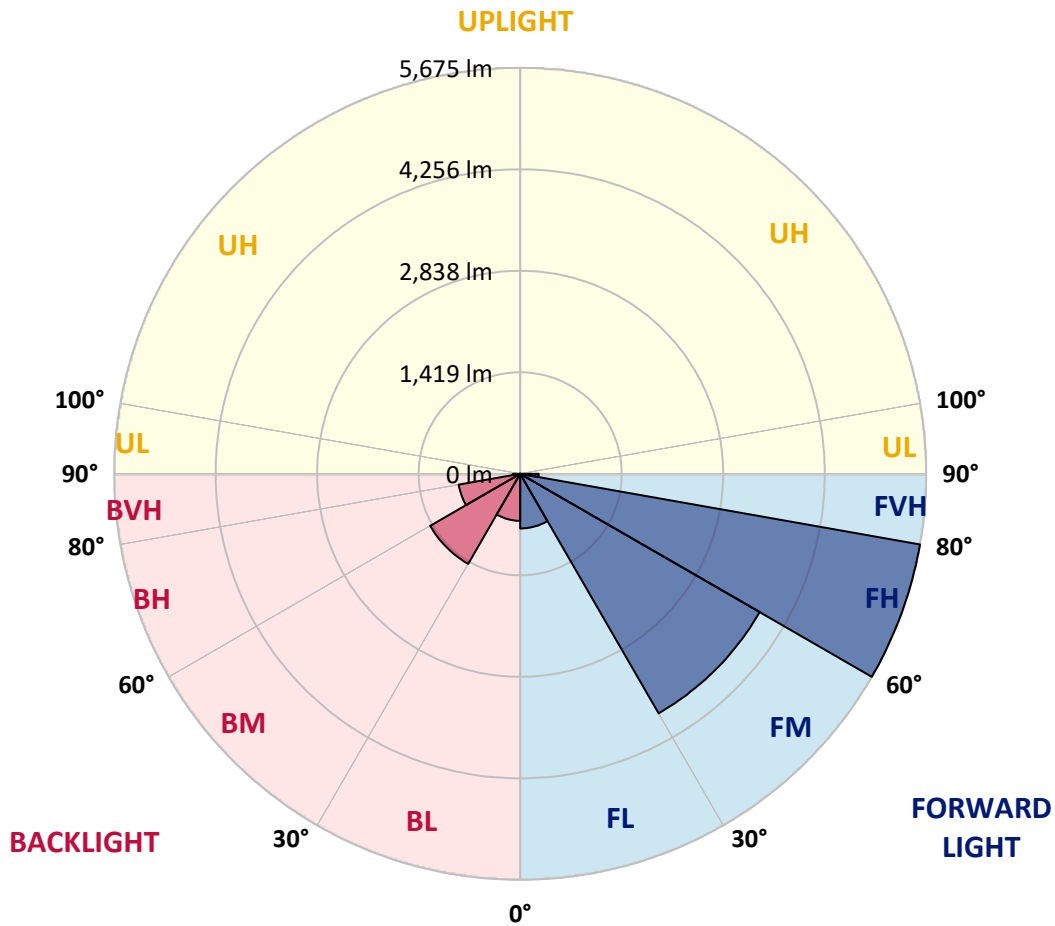
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	763.4	5.6			
FM (30°-60°)	3866.7	28.3			
FH (60°-80°)	5675.1	41.6			G3/7500
FVH (80°-90°)	259.8	1.9			G3/500
BL (0°-30°)	657.0	4.8	B2/1000		
BM (30°-60°)	1453.1	10.6	B2/2500		
BH (60°-80°)	873.6	6.4	B2/1000		G2/1000
BVH (80°-90°)	102.3	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1
2.5°	1431.1	1440.4	1431.8	1423.9	1420.3	1410.9	1410.2	1404.4	1400.9	1390.8
5°	1531.0	1543.2	1528.9	1513.0	1498.7	1475.6	1472.8	1456.2	1437.5	1416.0
7.5°	1643.9	1654.7	1638.2	1614.4	1589.3	1551.1	1550.4	1520.2	1490.7	1454.1
10°	1742.4	1756.8	1734.5	1702.2	1670.5	1627.4	1622.3	1587.8	1550.4	1503.0
12.5°	1829.4	1839.5	1817.9	1778.4	1741.7	1698.6	1692.1	1654.0	1612.3	1558.3
15°	1898.5	1911.4	1882.7	1840.2	1801.4	1759.0	1753.2	1718.7	1677.0	1620.2
17.5°	1943.8	1954.6	1925.1	1877.6	1840.2	1805.0	1800.7	1771.9	1735.2	1677.7
20°	1961.0	1972.6	1941.6	1893.5	1858.9	1831.6	1829.4	1808.6	1783.4	1730.9
22.5°	1978.3	1989.1	1948.8	1898.5	1868.3	1851.0	1850.3	1836.6	1826.6	1783.4
25°	2048.1	2050.9	1997.0	1924.4	1881.2	1866.1	1865.4	1864.7	1869.0	1835.2
27.5°	2108.5	2107.7	2061.7	1993.4	1926.5	1894.9	1894.2	1901.4	1915.0	1887.0
30°	2196.9	2189.0	2134.4	2063.2	2002.0	1953.1	1948.8	1942.4	1953.1	1930.8
32.5°	2384.6	2359.4	2271.0	2144.4	2064.6	2027.2	2021.5	1981.2	1985.5	1971.8
35°	2653.6	2620.5	2502.5	2298.3	2142.3	2089.1	2086.2	2035.1	2026.5	2014.3
37.5°	2973.6	2932.6	2795.2	2521.2	2276.0	2161.0	2156.6	2110.6	2075.4	2062.4
40°	3295.0	3243.2	3129.6	2793.1	2473.1	2281.1	2267.4	2197.6	2157.4	2135.8
42.5°	3607.1	3564.0	3466.9	3098.0	2716.1	2456.5	2426.3	2306.9	2276.7	2256.6
45°	3883.3	3844.4	3773.2	3423.7	3000.9	2695.3	2665.8	2470.9	2461.6	2461.6
47.5°	4107.6	4099.0	4023.5	3756.0	3336.7	2967.1	2916.0	2698.9	2724.0	2762.9
50°	4356.4	4332.7	4252.2	4083.2	3731.5	3278.5	3236.8	2978.6	3072.8	3179.2
52.5°	4585.1	4598.1	4508.2	4424.0	4177.4	3625.8	3552.5	3308.7	3512.2	3688.4
55°	4820.3	4821.0	4795.8	4784.3	4644.8	4009.8	3929.3	3705.6	4029.2	4247.9
57.5°	5041.1	5042.5	5079.9	5181.3	5187.0	4452.8	4361.5	4193.2	4603.8	4826.8
60°	5238.1	5248.2	5350.3	5587.6	5663.8	4960.5	4874.2	4769.2	5197.8	5422.2
62.5°	5304.2	5340.9	5568.2	5905.4	6134.8	5583.3	5498.4	5435.8	5822.0	6030.6
65°	5192.1	5276.2	5715.6	6167.9	6619.5	6323.2	6239.1	6170.8	6470.7	6667.0
67.5°	4916.6	5025.2	5707.0	6443.3	7207.8	7213.5	7135.1	6974.8	7166.1	7241.6
70°	4191.0	4353.6	5204.3	6546.2	7883.0	8431.0	8355.5	7942.7	7860.0	7494.7
72.5°	2700.3	2918.9	3832.2	5699.8	8033.3	9576.6	9572.2	8816.4	8079.3	7002.8
75°	985.2	1119.0	1780.5	3577.6	6743.2	9518.3	9546.4	8666.9	7375.3	5409.2
77.5°	358.8	392.6	581.1	1375.0	4147.2	7637.1	7695.3	6928.7	5249.6	2714.7
80°	188.4	207.1	297.7	533.6	1777.0	4535.5	4626.8	4117.7	2467.3	817.6
82.5°	104.3	112.9	166.8	289.8	800.4	1939.5	1994.1	1626.7	868.0	346.6
85°	56.1	59.7	78.4	158.2	391.2	672.4	687.5	486.1	345.9	203.5
87.5°	16.5	20.1	25.9	50.3	153.2	151.0	154.6	96.4	136.6	102.8
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°
1377.1	0°	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1	1377.1
1387.9	2.5°	1383.6	1381.4	1373.5	1369.9	1365.6	1364.9	1368.5	1369.2	1369.9	1370.6
1403.7	5°	1396.5	1389.3	1382.2	1377.8	1379.3	1380.0	1387.2	1392.2	1395.8	1398.7
1433.2	7.5°	1421.7	1416.0	1403.7	1403.0	1405.2	1411.6	1421.0	1432.5	1439.0	1444.0
1471.3	10°	1459.1	1448.3	1433.9	1436.1	1440.4	1449.8	1469.2	1478.5	1489.3	1498.7
1518.1	12.5°	1497.2	1487.9	1471.3	1472.8	1480.0	1496.5	1515.2	1526.7	1533.9	1541.1
1568.4	15°	1546.8	1530.3	1512.3	1512.3	1525.3	1543.2	1551.9	1561.2	1565.5	1573.4
1622.3	17.5°	1597.9	1576.3	1552.6	1551.1	1567.0	1575.6	1580.6	1582.1	1583.5	1592.1
1674.8	20°	1648.9	1625.2	1591.4	1588.5	1592.1	1590.7	1590.0	1588.5	1590.7	1601.5
1728.8	22.5°	1699.3	1672.0	1625.2	1612.3	1602.2	1588.5	1587.8	1587.1	1588.5	1599.3
1787.0	25°	1758.3	1725.2	1662.6	1623.8	1590.0	1571.3	1573.4	1574.2	1575.6	1584.2
1847.4	27.5°	1822.3	1785.6	1697.1	1620.2	1559.1	1546.1	1542.5	1544.7	1549.7	1563.4
1907.8	30°	1886.3	1843.1	1728.8	1605.8	1520.2	1502.2	1490.7	1495.8	1511.6	1525.3
1960.3	32.5°	1944.5	1901.4	1753.9	1574.2	1470.6	1442.6	1427.5	1433.9	1449.8	1454.8
2018.6	35°	2012.8	1963.9	1764.7	1523.8	1416.7	1373.5	1353.4	1344.0	1352.0	1346.9
2086.9	37.5°	2089.1	2038.0	1763.3	1457.7	1353.4	1303.8	1275.7	1240.5	1223.9	1206.7
2187.6	40°	2202.0	2128.6	1746.0	1377.8	1275.0	1229.7	1179.4	1119.7	1082.3	1048.5
2350.1	42.5°	2355.8	2254.5	1714.4	1290.1	1186.6	1144.1	1075.8	1006.1	947.1	891.0
2596.8	45°	2585.2	2419.1	1674.8	1196.6	1090.9	1049.2	975.1	896.7	829.9	758.0
2947.0	47.5°	2916.0	2640.6	1637.4	1090.2	990.2	952.1	885.2	812.6	733.5	663.8
3453.2	50°	3370.5	2958.5	1602.9	986.6	891.0	862.2	809.0	734.9	655.1	599.0
4046.5	52.5°	3948.7	3390.7	1588.5	886.7	798.2	787.4	745.0	676.0	600.5	553.0
4738.3	55°	4612.5	3907.7	1588.5	791.0	717.0	720.6	691.1	627.1	561.6	519.2
5451.7	57.5°	5289.9	4431.2	1559.8	702.6	647.9	663.0	644.3	588.2	529.3	485.4
6201.7	60°	5914.1	4869.9	1443.3	622.0	586.8	610.5	598.3	550.1	478.2	441.5
6828.8	62.5°	6393.7	5117.3	1218.9	558.0	536.5	563.8	557.3	499.8	468.9	453.8
7343.7	65°	6633.9	5077.0	932.0	501.2	494.0	536.5	522.8	520.6	496.2	478.9
7511.2	67.5°	6486.5	4730.4	676.0	459.5	469.6	511.3	563.8	572.4	527.1	493.3
7039.5	70°	5840.0	4103.3	503.4	420.0	438.7	512.0	642.9	599.0	517.0	477.5
5645.8	72.5°	4442.7	3059.9	390.5	378.3	398.4	515.6	678.1	586.8	488.3	527.8
3517.2	75°	2540.7	1679.9	313.5	327.2	348.1	481.8	660.2	555.2	466.0	484.7
1393.7	77.5°	968.7	645.8	258.9	276.9	279.7	420.7	631.4	553.0	443.7	432.9
417.8	80°	335.8	252.4	214.3	220.1	216.5	373.9	605.5	481.1	363.2	325.0
172.6	82.5°	137.4	125.8	169.7	162.5	153.9	290.5	489.0	393.4	297.0	262.5
83.4	85°	59.7	79.8	112.2	98.5	89.2	201.4	391.9	333.0	251.0	216.5
27.3	87.5°	12.2	30.2	47.5	44.6	46.0	134.5	278.3	236.6	177.6	133.0
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

180°  
1377.1  
1373.5  
1400.1  
1445.4  
1496.5  
1544.0  
1576.3  
1595.0  
1605.8  
1606.5  
1595.7  
1577.0  
1540.4  
1472.8  
1362.7  
1217.5  
1050.6  
886.0  
749.3  
655.8  
595.4  
549.4  
514.9  
478.2  
435.8  
448.7  
473.2  
487.6  
471.0  
523.5  
484.7  
394.8  
314.3  
259.6  
215.7  
104.3  
0.0

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