

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: P940539

Luminaire Tested: **GALN-SB3C-927-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
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-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13518 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

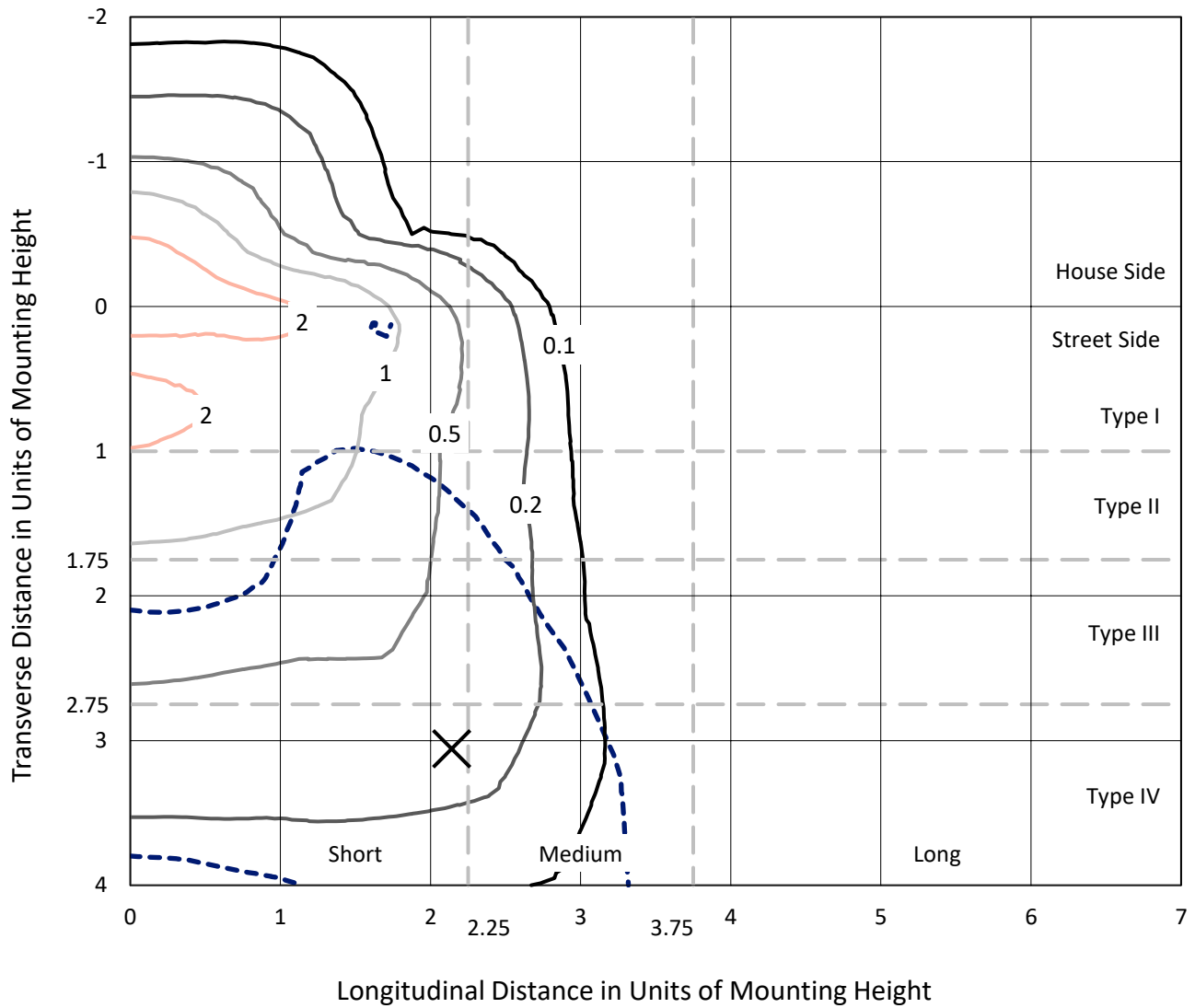
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

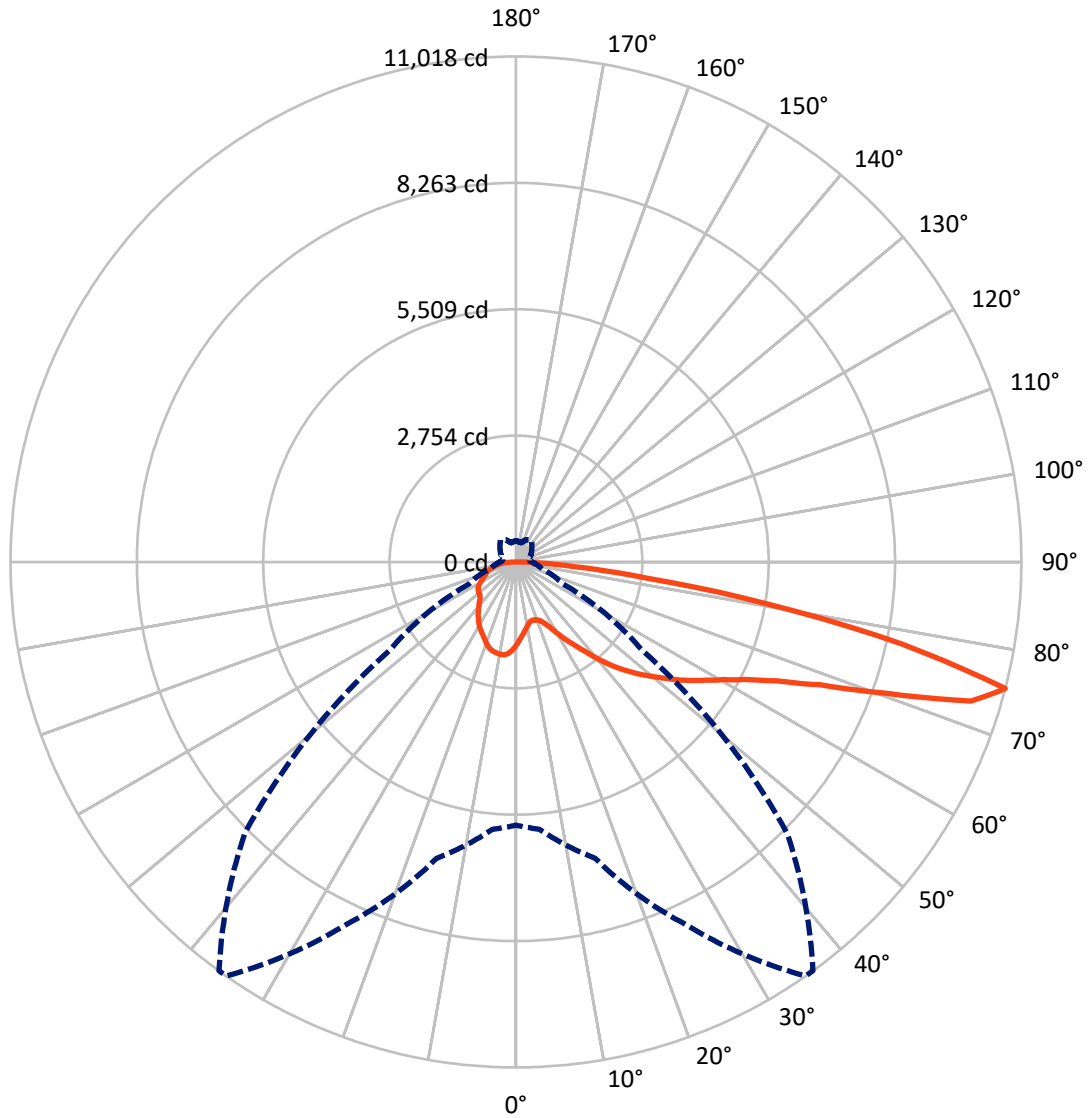
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3216.9	0.0	3216.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	10301.1	0.0	10301.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	13518.0	0.0	13518.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.6	1.3
10°-20°	491.9	3.6
20°-30°	826.1	6.1
30°-40°	1283.9	9.5
40°-50°	1905.6	14.1
50°-60°	2630.8	19.5
60°-70°	3191.8	23.6
70°-80°	2637.8	19.5
80°-90°	379.4	2.8
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°	13518.0	100.0
0°-180°	13518.0	100.0

Coefficient of Utilization



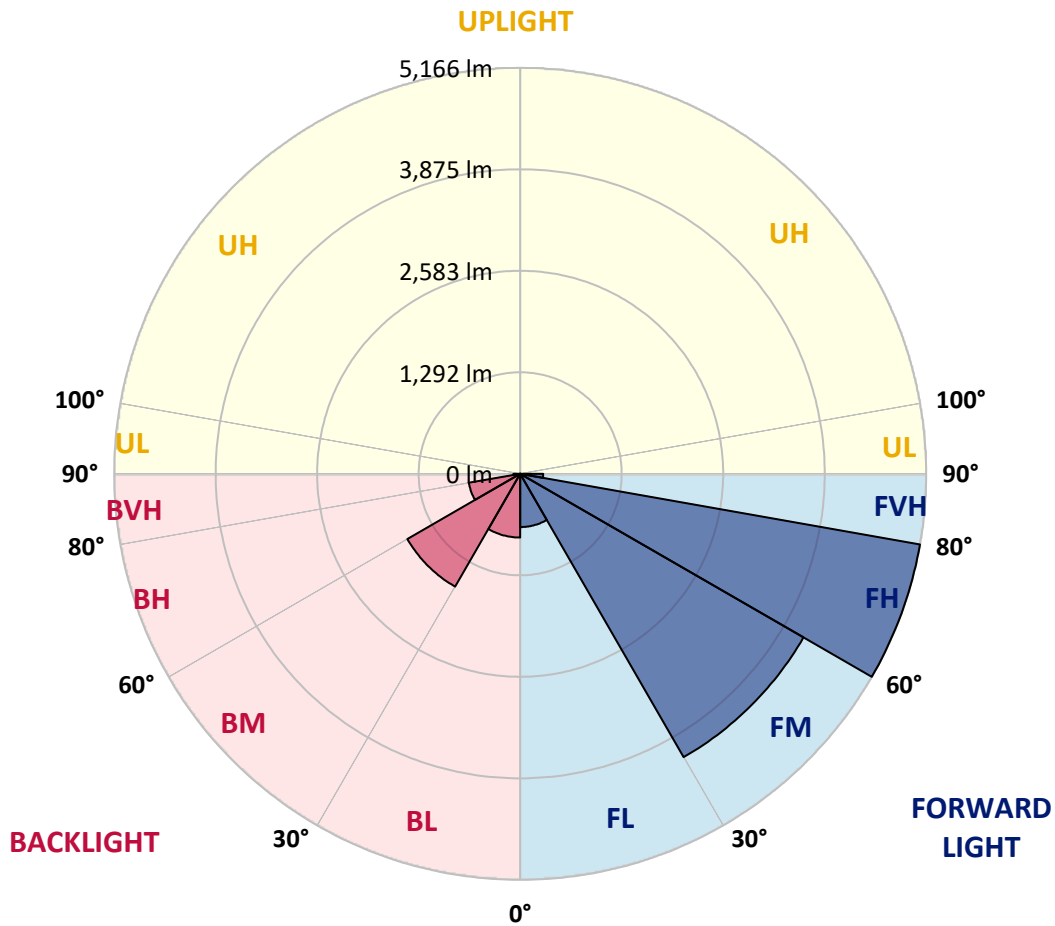
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	677.9	5.0			
FM (30°-60°)	4162.8	30.8			
FH (60°-80°)	5166.4	38.2			G3/7500
FVH (80°-90°)	294.0	2.2			G3/500
BL (0°-30°)	810.7	6.0	B2/1000		
BM (30°-60°)	1657.6	12.3	B2/2500		
BH (60°-80°)	663.2	4.9	B2/1000		G2/1000
BVH (80°-90°)	85.4	0.6			G1/100
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°	36°	45°	55°	65°	75°
0°	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4
2.5°	1661.1	1671.3	1675.7	1673.5	1684.4	1683.0	1698.3	1717.3	1743.6	1769.2
5°	1533.2	1544.1	1553.6	1562.4	1583.6	1590.2	1614.3	1650.8	1699.1	1748.0
7.5°	1414.1	1423.6	1438.2	1454.2	1490.1	1496.6	1536.8	1593.8	1661.1	1732.7
10°	1316.9	1326.4	1341.7	1360.0	1404.6	1412.6	1463.7	1539.7	1627.4	1718.1
12.5°	1275.2	1278.1	1286.9	1305.2	1343.9	1349.0	1405.3	1492.2	1594.6	1707.1
15°	1273.0	1278.9	1279.6	1289.1	1321.2	1323.4	1375.3	1461.6	1574.1	1704.9
17.5°	1294.9	1299.3	1292.7	1298.6	1325.6	1329.3	1370.2	1446.9	1567.5	1714.4
20°	1353.4	1357.1	1337.3	1329.3	1349.0	1351.9	1392.1	1456.4	1574.1	1734.1
22.5°	1477.6	1479.8	1431.6	1398.7	1400.2	1401.6	1436.7	1495.2	1599.7	1769.9
25°	1671.3	1669.8	1593.1	1529.5	1493.0	1484.9	1508.3	1558.0	1642.8	1817.4
27.5°	1897.8	1886.9	1810.1	1715.1	1635.5	1623.8	1618.7	1639.9	1704.2	1880.3
30°	2153.6	2143.4	2060.8	1936.6	1826.2	1807.2	1759.0	1748.0	1795.5	1965.8
32.5°	2434.2	2427.6	2329.0	2178.4	2030.8	2008.9	1927.8	1898.6	1935.8	2095.1
35°	2669.5	2663.7	2581.8	2426.9	2246.4	2219.4	2136.8	2103.9	2122.9	2261.0
37.5°	2882.2	2879.3	2809.1	2687.1	2500.7	2467.8	2375.0	2364.1	2360.4	2479.5
40°	3079.5	3072.2	2999.1	2934.8	2796.7	2766.7	2684.9	2675.4	2647.6	2748.5
42.5°	3298.0	3279.0	3173.0	3143.1	3105.8	3081.0	3032.0	3033.5	2972.1	3051.7
45°	3476.3	3465.3	3356.5	3338.9	3379.1	3368.9	3411.3	3422.2	3303.1	3369.6
47.5°	3667.8	3657.5	3565.5	3553.0	3661.9	3664.8	3814.7	3818.3	3626.1	3699.9
50°	3903.8	3889.2	3797.8	3813.2	3935.2	3946.2	4220.2	4195.4	3923.5	4035.3
52.5°	4059.5	4068.2	4048.5	4073.4	4240.0	4250.2	4619.2	4555.7	4218.0	4366.4
55°	4174.2	4191.7	4253.1	4310.1	4561.5	4571.7	4995.6	4898.4	4462.1	4673.3
57.5°	4321.8	4297.0	4411.7	4522.8	4867.0	4894.0	5361.7	5228.7	4678.4	4937.9
60°	4533.7	4516.2	4605.4	4769.8	5209.0	5252.1	5749.0	5526.1	4837.0	5147.6
62.5°	4963.4	4919.6	4933.5	5078.9	5640.1	5697.1	6186.0	5785.6	4915.9	5229.4
65°	5605.8	5530.5	5460.4	5561.2	6247.4	6303.7	6679.3	5989.4	4886.7	5070.9
67.5°	6414.8	6340.2	6254.0	6349.0	7141.9	7186.5	7288.0	6104.2	4656.5	4459.9
70°	7082.0	7054.2	7157.2	7548.2	8570.6	8572.0	8068.5	6009.2	4025.8	3162.1
72.5°	6993.5	6976.7	7519.7	8728.4	10371.2	10332.5	8807.3	5290.1	2711.9	1426.5
75°	5737.3	5846.2	6687.3	8707.2	11017.9	11012.8	8355.0	3363.0	1121.7	591.2
77.5°	3076.6	3249.0	4341.5	6428.6	8601.2	8730.6	5874.0	1176.6	481.6	378.5
80°	1003.4	1153.9	1730.5	3273.1	5589.0	5564.9	2517.5	461.9	329.6	268.2
82.5°	426.0	443.6	773.2	1545.6	2868.3	2823.7	801.7	265.3	231.7	183.4
85°	166.6	186.3	341.3	714.7	1242.3	1215.3	289.4	131.5	148.3	119.8
87.5°	54.8	66.5	122.0	244.8	386.6	372.7	70.9	45.3	64.3	54.8
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°
1801.4	0°	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4	1801.4
1806.5	2.5°	1816.7	1828.4	1842.3	1862.8	1880.3	1894.9	1910.3	1919.8	1923.4	1934.4
1809.4	5°	1829.9	1855.4	1889.8	1923.4	1956.3	1976.0	1993.6	2002.3	2010.4	2016.2
1817.4	7.5°	1851.8	1884.7	1938.8	1982.6	2010.4	2026.4	2038.1	2035.2	2038.1	2039.6
1826.2	10°	1870.8	1916.8	1981.1	2022.8	2044.0	2044.7	2041.8	2031.6	2026.4	2027.2
1839.4	12.5°	1893.4	1944.6	2014.0	2049.1	2054.9	2038.9	2026.4	2008.9	2002.3	1999.4
1859.1	15°	1924.1	1982.6	2049.8	2063.0	2048.4	2027.9	2006.7	1978.2	1963.6	1951.9
1892.7	17.5°	1961.4	2025.7	2077.6	2068.1	2036.7	2003.1	1968.7	1925.6	1895.6	1883.2
1938.8	20°	2013.3	2071.0	2098.8	2057.1	2009.6	1958.5	1900.0	1847.4	1819.6	1807.2
1997.2	22.5°	2076.1	2131.7	2119.3	2038.1	1970.9	1889.1	1816.0	1777.2	1763.4	1754.6
2072.5	25°	2151.4	2198.9	2133.9	2010.4	1907.3	1797.0	1740.7	1728.3	1721.7	1715.1
2164.6	27.5°	2249.3	2274.9	2144.8	1969.4	1807.9	1699.1	1678.6	1680.8	1678.6	1667.6
2292.4	30°	2378.7	2373.6	2155.1	1902.9	1693.9	1610.6	1612.1	1621.6	1623.1	1615.7
2470.8	32.5°	2548.9	2497.1	2160.2	1816.7	1585.1	1533.2	1534.6	1544.9	1552.2	1539.7
2703.9	35°	2755.0	2641.0	2152.1	1708.6	1501.0	1459.4	1448.4	1451.3	1453.5	1441.8
2986.7	37.5°	2995.5	2802.5	2116.3	1588.7	1431.6	1387.0	1363.6	1343.9	1332.2	1321.2
3306.8	40°	3259.3	2978.6	2050.6	1471.8	1354.1	1310.3	1275.2	1237.9	1198.5	1183.9
3645.8	42.5°	3535.5	3159.9	1970.9	1360.0	1265.0	1229.2	1191.9	1137.8	1078.6	1048.7
3998.1	45°	3822.0	3345.5	1892.7	1249.6	1173.6	1158.3	1115.2	1050.1	985.8	947.8
4351.0	47.5°	4102.6	3520.9	1778.0	1138.6	1088.1	1104.9	1071.3	1011.4	939.8	879.9
4701.1	50°	4370.8	3685.3	1590.2	1026.0	1018.7	1088.9	1056.7	970.5	888.6	811.9
5044.6	52.5°	4636.8	3818.3	1349.7	923.7	981.4	1084.5	1037.7	942.7	842.6	762.2
5367.6	55°	4862.6	3887.0	1118.1	836.0	927.4	1047.2	1015.0	909.8	777.5	692.0
5589.0	57.5°	4991.2	3831.5	925.2	749.8	852.8	985.8	976.3	839.7	700.1	634.3
5632.1	60°	4935.7	3606.4	767.3	674.5	781.9	919.3	909.1	770.2	640.9	578.8
5401.2	62.5°	4629.5	3177.4	642.4	608.7	717.6	851.4	841.9	716.9	595.6	535.7
4788.0	65°	4012.7	2584.8	545.2	553.9	652.6	769.5	783.4	672.3	559.8	501.3
3704.3	67.5°	3060.5	1872.3	469.2	506.4	589.0	689.1	729.3	640.2	529.8	474.3
2143.4	70°	1744.4	1063.3	404.9	460.4	532.7	614.6	687.7	614.6	497.7	451.6
803.1	72.5°	661.4	488.2	350.0	414.4	478.7	551.7	641.6	574.4	460.4	426.0
415.1	75°	353.0	297.4	294.5	360.3	416.5	490.4	583.9	534.9	432.6	450.2
287.2	77.5°	240.4	210.5	246.3	308.4	348.6	422.4	522.5	475.0	374.9	373.4
198.8	80°	166.6	149.1	200.2	248.5	269.7	355.2	456.0	407.8	305.5	285.0
122.8	82.5°	100.1	97.2	149.8	185.6	190.7	274.0	377.8	342.0	249.9	217.8
73.1	85°	54.8	57.7	95.7	108.9	111.1	191.5	296.0	264.5	192.2	161.5
26.3	87.5°	15.3	19.7	35.1	43.1	53.3	99.4	176.1	157.1	96.5	67.2
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>
1801.4
1933.6
2017.7
2041.8
2028.6
1997.9
1955.6
1883.9
1805.7
1756.1
1715.1
1669.8
1619.4
1545.6
1449.9
1328.6
1190.4
1052.3
944.9
873.3
805.3
753.4
684.7
625.5
570.0
526.2
491.8
465.5
445.8
420.2
464.8
344.2
272.6
219.2
163.0
67.2
0.0

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