

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: P948668

Luminaire Tested: **GALN-SB3C-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
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-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13861 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

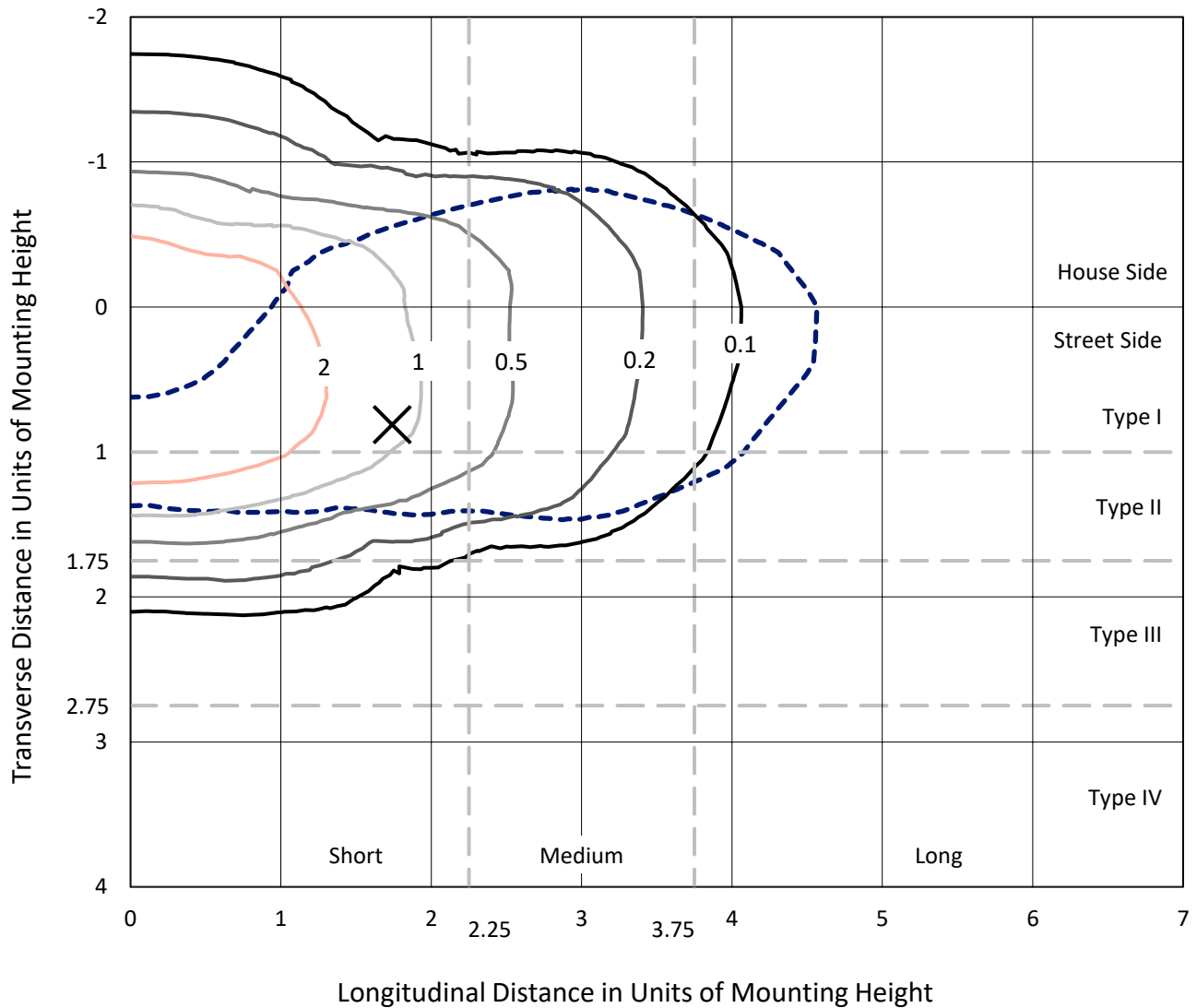
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

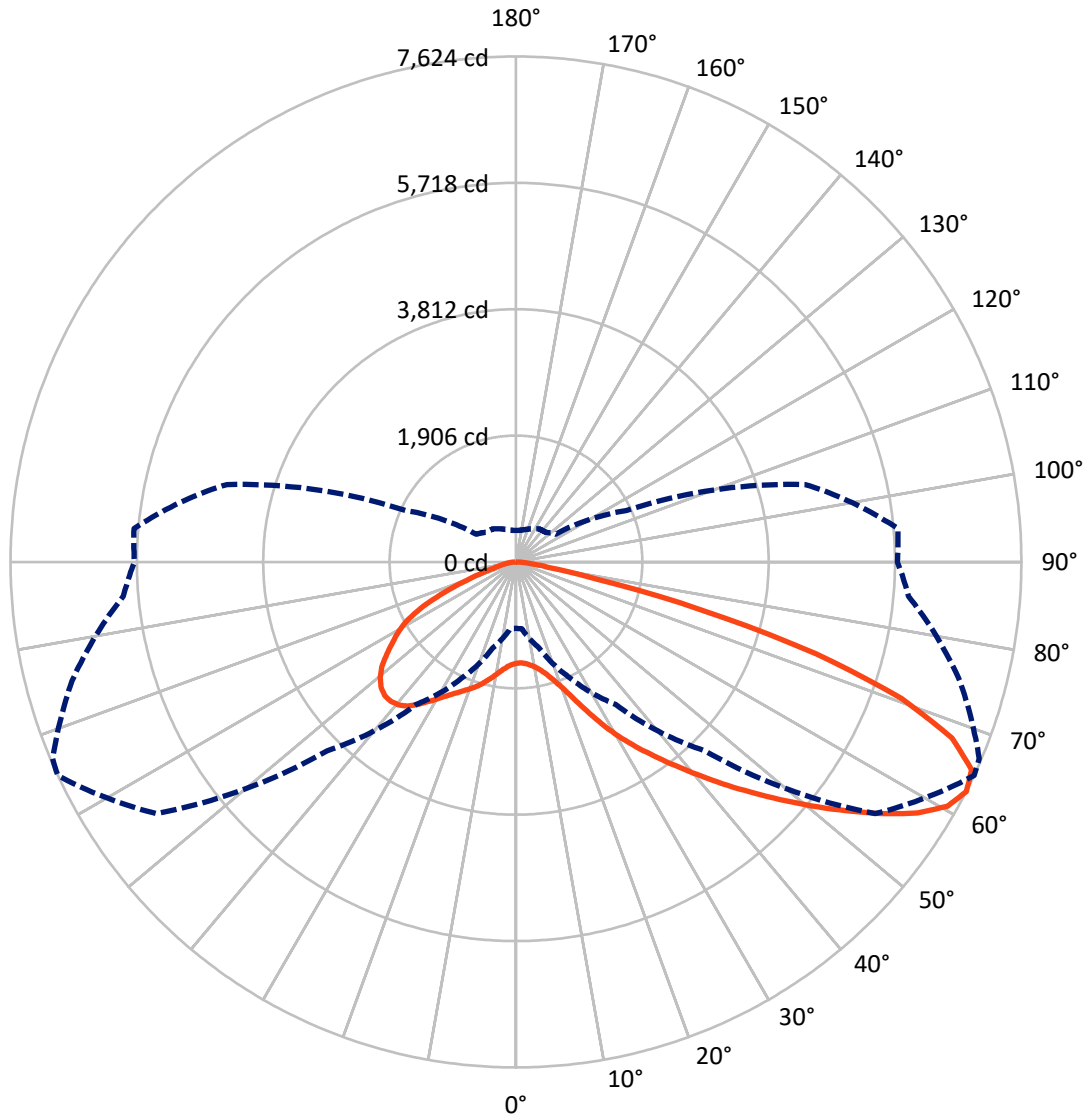
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4373.9	0.0	4373.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	9487.1	0.0	9487.1
	% Fixture	68.4	0.0	68.4
Total	Lumens	13861.0	0.0	13861.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	1.1
10°-20°	516.4	3.7
20°-30°	1047.1	7.6
30°-40°	1811.9	13.1
40°-50°	2742.0	19.8
50°-60°	3214.8	23.2
60°-70°	2695.2	19.4
70°-80°	1488.0	10.7
80°-90°	193.3	1.4
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°	13861.0	100.0
0°-180°	13861.0	100.0



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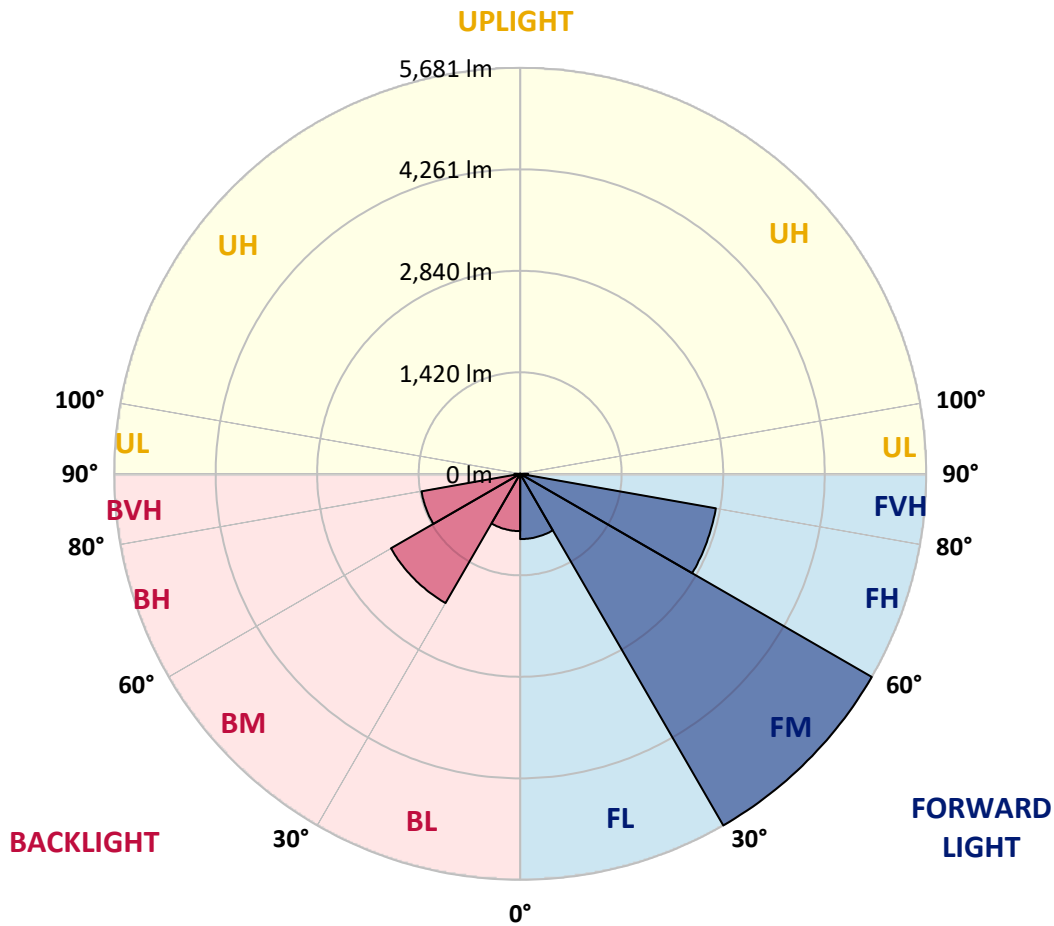
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	913.6	6.6			
FM (30°-60°)	5680.7	41.0			
FH (60°-80°)	2780.1	20.1			G2/5000
FVH (80°-90°)	112.7	0.8			G2/225
BL (0°-30°)	802.1	5.8	B2/1000		
BM (30°-60°)	2088.0	15.1	B2/2500		
BH (60°-80°)	1403.1	10.1	B3/2500		G3/2500
BVH (80°-90°)	80.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	1527.4	1527.4	1527.4	1527.4	1527.4	1527.4	1527.4	1527.4	1527.4	1527.4
2.5°	1517.4	1513.0	1516.6	1516.6	1518.1	1517.4	1522.4	1523.8	1526.0	1530.3
5°	1502.3	1501.5	1508.0	1513.8	1519.5	1524.5	1531.0	1540.4	1541.8	1546.8
7.5°	1497.2	1492.9	1503.0	1510.2	1523.8	1536.1	1553.3	1569.1	1575.6	1577.8
10°	1536.1	1528.9	1538.2	1542.5	1554.0	1566.3	1586.4	1611.6	1618.8	1627.4
12.5°	1602.2	1594.3	1608.0	1614.4	1625.2	1636.0	1649.7	1674.1	1677.7	1693.5
15°	1692.8	1683.5	1692.1	1700.0	1718.0	1728.1	1741.7	1765.5	1765.5	1777.7
17.5°	1815.8	1803.6	1810.0	1812.9	1824.4	1839.5	1862.5	1883.4	1894.2	1889.9
20°	1999.2	1984.1	1984.1	1969.7	1965.4	1977.6	2007.8	2036.6	2048.1	2025.8
22.5°	2274.6	2253.0	2240.8	2191.9	2172.5	2173.9	2204.1	2239.4	2248.7	2209.2
25°	2624.8	2591.0	2574.5	2502.6	2458.7	2420.6	2444.3	2489.6	2502.6	2453.7
27.5°	2975.0	2977.2	2961.4	2875.1	2802.4	2732.7	2720.5	2767.9	2781.6	2726.2
30°	3466.2	3415.1	3384.9	3281.4	3177.8	3080.0	3029.7	3049.1	3052.7	2986.5
32.5°	3889.7	3876.8	3812.1	3721.5	3588.4	3435.3	3351.1	3320.2	3314.4	3220.2
35°	4372.3	4365.1	4296.8	4188.9	4045.1	3832.2	3680.5	3592.0	3584.8	3452.5
37.5°	4862.7	4862.7	4795.8	4677.9	4529.1	4263.0	4032.1	3891.9	3868.9	3696.3
40°	5253.9	5230.2	5242.4	5192.8	5022.4	4739.8	4422.6	4219.1	4188.2	3981.1
42.5°	5476.1	5468.2	5541.6	5597.0	5527.2	5301.4	4852.7	4573.6	4530.5	4294.6
45°	5525.8	5517.1	5648.0	5850.8	5948.6	5855.8	5320.1	4946.9	4894.4	4622.5
47.5°	5411.4	5394.2	5586.2	5906.2	6219.7	6383.0	5826.4	5351.7	5275.5	4941.8
50°	5067.7	5051.1	5341.7	5766.7	6311.0	6741.1	6375.8	5781.0	5664.5	5284.1
52.5°	4320.5	4328.4	4783.6	5367.6	6190.9	6964.0	6848.9	6233.4	6093.1	5634.3
55°	3365.5	3382.8	3942.2	4585.1	5710.6	6930.2	7171.8	6699.4	6559.9	5963.7
57.5°	2409.8	2486.0	3010.3	3646.7	4787.9	6394.5	7242.3	7142.4	7007.2	6323.3
60°	1561.9	1575.6	2114.9	2756.4	3646.0	5442.3	7099.2	7478.2	7372.5	6690.0
62.5°	1001.0	1010.4	1339.0	1928.0	2624.1	4026.4	6617.4	7624.2	7591.8	6932.4
65°	735.7	728.5	899.6	1274.3	1767.6	2483.1	5681.8	7553.7	7617.7	7084.1
67.5°	614.1	604.1	688.2	882.4	1302.3	1410.2	4204.0	7095.6	7330.0	7066.8
70°	559.5	550.8	601.9	655.1	1016.1	944.2	2119.3	6168.7	6529.7	6870.5
72.5°	473.9	458.8	528.6	581.8	790.3	724.2	875.9	4738.3	5178.4	6241.3
75°	367.5	357.4	417.1	512.0	594.0	565.2	553.7	2877.2	3357.6	4826.8
77.5°	291.2	277.6	332.2	399.1	534.3	426.4	403.4	1239.1	1715.1	3081.5
80°	219.3	207.1	252.4	315.7	410.6	321.4	261.0	505.5	646.5	1561.2
82.5°	156.1	145.3	176.2	231.6	276.1	288.4	160.4	283.3	318.6	601.9
85°	100.0	93.5	117.9	145.3	175.5	185.5	97.8	148.1	162.5	248.1
87.5°	54.7	44.6	63.3	67.6	81.3	74.1	46.7	53.9	58.2	89.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948668
 CATALOG NUMBER: GALN-SB3C-927-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1527.4	0°	1527.4	1527.4	1527.4	1527.4	1527.4	1527.4	1527.4	1527.4	1527.4	1527.4
1530.3	2.5°	1533.2	1535.3	1542.5	1544.7	1549.7	1556.2	1560.5	1564.8	1564.8	1569.1
1553.3	5°	1554.0	1559.1	1574.2	1582.1	1595.0	1608.0	1615.9	1625.2	1631.0	1633.9
1590.0	7.5°	1594.3	1602.2	1623.8	1637.4	1659.7	1677.7	1689.9	1702.9	1705.8	1713.7
1641.0	10°	1649.0	1658.3	1682.8	1708.6	1735.2	1757.5	1769.0	1778.4	1782.0	1783.4
1706.5	12.5°	1711.5	1725.2	1756.8	1788.5	1816.5	1835.9	1838.8	1836.6	1826.6	1817.9
1787.0	15°	1788.5	1800.7	1835.9	1870.4	1897.8	1901.4	1883.4	1871.9	1859.7	1857.5
1876.9	17.5°	1880.5	1887.0	1919.3	1953.1	1955.3	1943.1	1916.5	1905.7	1894.2	1886.3
1994.1	20°	1987.7	1985.5	2008.5	2022.9	2007.8	1970.4	1930.1	1912.2	1900.6	1891.3
2138.0	22.5°	2115.7	2099.1	2096.3	2092.7	2052.4	1974.0	1919.3	1896.3	1878.4	1865.4
2338.6	25°	2301.9	2238.6	2194.8	2170.3	2079.7	1954.6	1884.8	1833.8	1800.0	1777.7
2583.8	27.5°	2534.9	2428.5	2317.7	2258.1	2079.7	1915.0	1801.4	1718.7	1663.3	1640.3
2821.1	30°	2757.1	2645.7	2482.4	2363.8	2074.7	1850.3	1666.9	1551.9	1487.2	1464.1
3023.9	32.5°	2947.0	2825.4	2657.2	2479.5	2062.5	1745.3	1500.1	1372.8	1310.2	1282.9
3224.6	35°	3123.2	2993.7	2832.6	2606.8	2030.1	1591.4	1316.7	1219.6	1149.9	1106.0
3428.8	37.5°	3303.7	3149.8	2998.8	2721.9	1971.8	1411.6	1175.8	1093.1	1011.1	952.1
3646.0	40°	3500.0	3315.9	3176.4	2790.2	1876.2	1240.5	1066.5	991.0	903.9	841.4
3896.2	42.5°	3729.4	3515.1	3374.1	2825.4	1745.3	1119.0	995.3	921.2	839.2	788.2
4164.5	45°	3968.9	3734.4	3554.6	2824.7	1599.3	1062.1	972.3	898.9	808.3	755.1
4439.9	47.5°	4219.8	3963.8	3710.7	2778.7	1472.8	1070.1	959.3	850.7	750.8	699.0
4718.2	50°	4471.5	4214.8	3861.7	2692.4	1418.8	1052.8	911.1	783.1	665.2	618.4
4979.2	52.5°	4721.1	4481.6	3991.9	2569.4	1364.2	988.8	849.3	695.4	630.0	597.6
5248.9	55°	4972.0	4745.5	4133.5	2390.4	1227.5	914.0	745.7	662.3	601.9	572.4
5512.8	57.5°	5223.7	5050.4	4268.0	2211.3	1055.7	822.0	688.9	622.0	573.9	548.7
5733.6	60°	5485.5	5399.2	4406.8	2046.6	886.0	704.0	647.2	589.7	540.8	512.7
5945.7	62.5°	5755.2	5783.2	4515.4	1834.5	729.9	632.1	609.8	550.8	503.4	476.8
6121.2	65°	6027.0	6153.6	4586.6	1540.4	591.8	563.8	569.5	508.4	460.2	437.2
6249.9	67.5°	6231.9	6420.4	4566.4	1165.7	485.4	499.1	519.2	463.8	418.5	400.6
6229.1	70°	6255.0	6388.7	4368.0	798.2	406.3	435.8	463.1	420.0	373.2	360.3
5935.7	72.5°	5948.6	5957.2	3815.0	521.4	343.7	382.6	404.1	375.4	330.1	317.1
5192.8	75°	5145.3	4926.7	2801.0	343.7	287.7	328.6	348.8	328.6	284.8	287.7
3885.4	77.5°	3898.4	3489.2	1700.7	244.5	240.2	276.1	303.5	289.1	251.7	282.6
1953.9	80°	2008.5	1887.7	758.7	182.7	189.8	220.8	249.5	230.8	199.2	189.8
436.5	82.5°	460.2	535.0	299.2	130.9	137.4	158.9	190.6	173.3	143.1	120.8
181.9	85°	161.1	176.2	132.3	82.0	80.5	99.2	129.4	115.8	97.1	77.7
76.9	87.5°	51.1	66.9	49.6	33.1	34.5	44.6	59.7	54.7	45.3	29.5
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>
1527.4
1569.1
1635.3
1710.8
1779.8
1817.9
1857.5
1887.0
1892.0
1869.7
1786.3
1651.8
1477.8
1296.6
1120.4
967.9
853.6
798.2
763.7
706.2
621.3
597.6
569.5
544.4
510.6
476.1
436.5
401.3
361.0
316.4
277.6
248.8
173.3
119.4
82.0
30.9
0.0

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