

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: P948030

Luminaire Tested: **GALN-SB3A-950-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-950-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9151 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G3

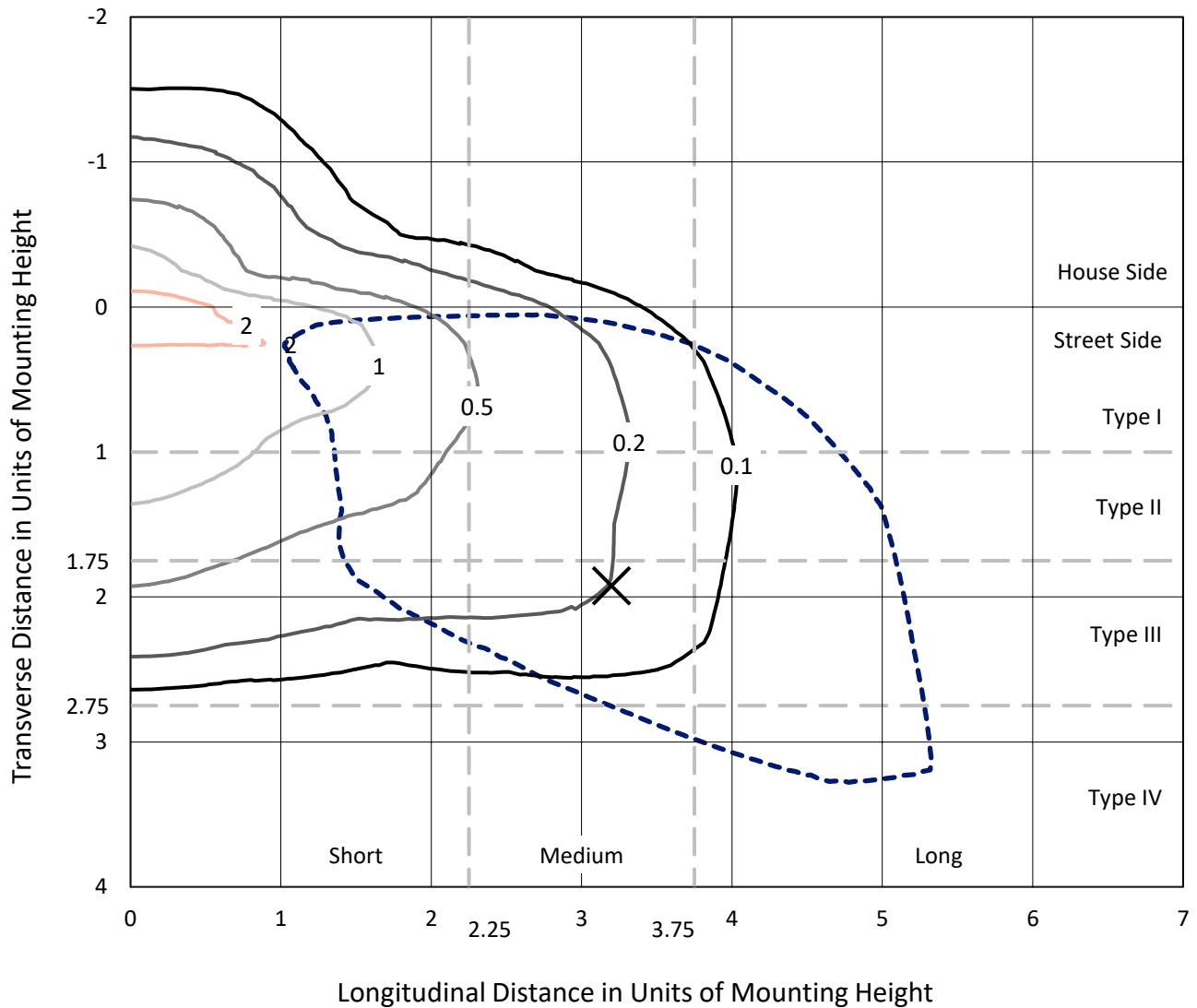
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

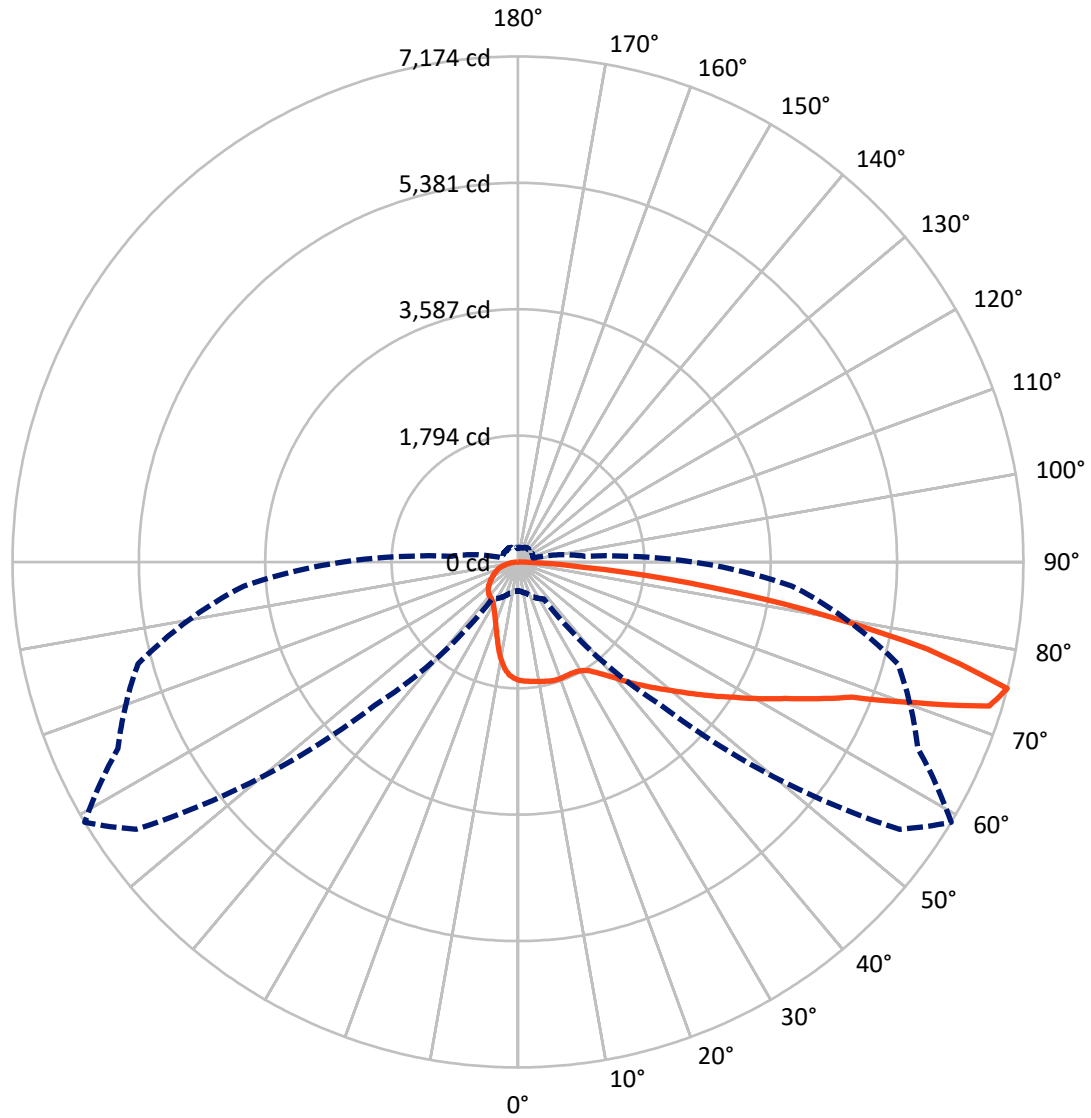
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1716.3	0.0	1716.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	7434.7	0.0	7434.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	9151.0	0.0	9151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	1.6
10°-20°	385.0	4.2
20°-30°	584.7	6.4
30°-40°	869.2	9.5
40°-50°	1292.6	14.1
50°-60°	1754.6	19.2
60°-70°	2142.1	23.4
70°-80°	1681.1	18.4
80°-90°	291.2	3.2
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°	9151.0	100.0
0°-180°	9151.0	100.0

Coefficient of Utilization



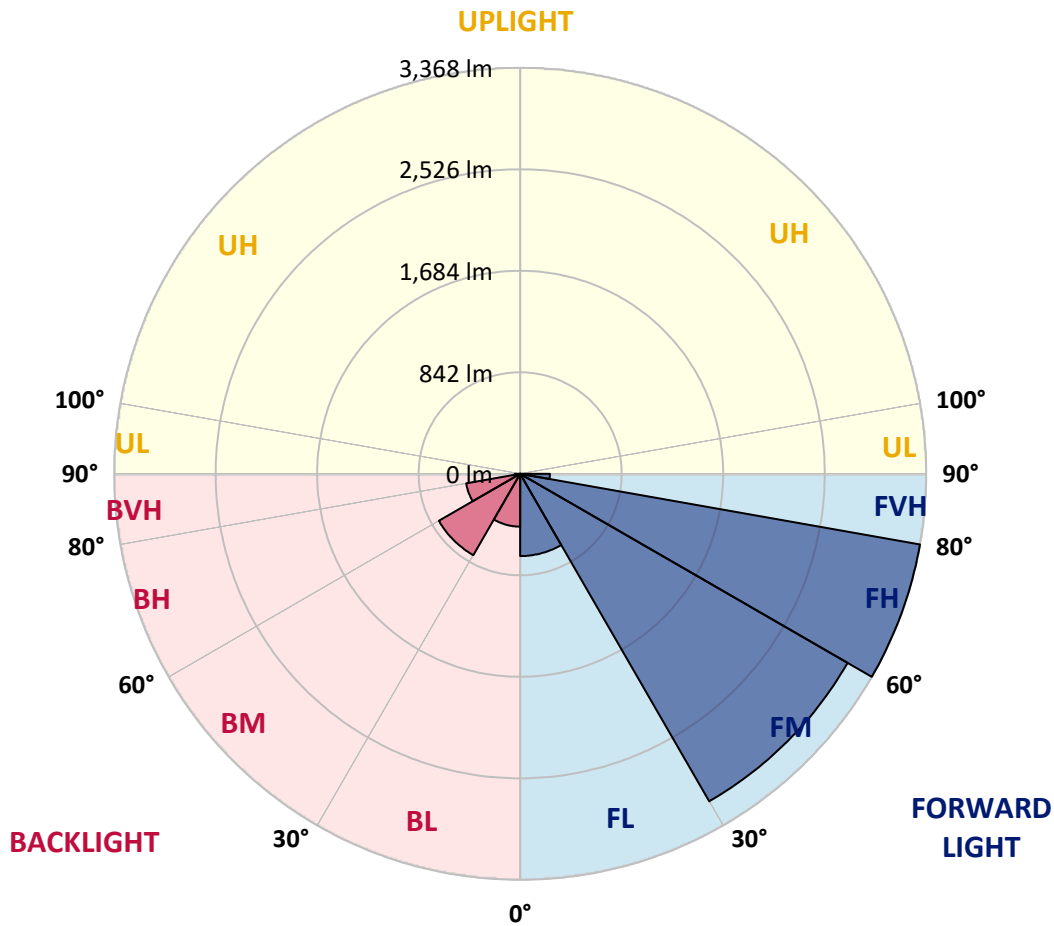
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	682.3	7.5			
FM (30°-60°)	3137.3	34.3			
FH (60°-80°)	3368.4	36.8			G2/5000
FVH (80°-90°)	246.6	2.7			G3/500
BL (0°-30°)	438.0	4.8	B1/500		
BM (30°-60°)	779.0	8.5	B1/1000		
BH (60°-80°)	454.7	5.0	B1/500		G1/500
BVH (80°-90°)	44.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	1679.6	1679.6	1679.6	1679.6	1679.6	1679.6	1679.6	1679.6	1679.6	1679.6
2.5°	1693.9	1688.0	1693.9	1691.5	1690.5	1688.5	1689.0	1692.4	1690.5	1692.9
5°	1682.6	1679.2	1685.1	1683.6	1690.0	1691.0	1697.4	1701.3	1703.8	1704.3
7.5°	1663.9	1660.4	1668.8	1675.7	1689.5	1693.4	1706.7	1713.1	1716.6	1722.5
10°	1595.5	1594.0	1614.7	1640.8	1673.2	1693.4	1713.6	1724.4	1729.9	1745.6
12.5°	1474.4	1476.3	1503.4	1553.6	1618.6	1683.6	1721.5	1737.2	1745.6	1765.3
15°	1358.7	1358.2	1387.7	1441.4	1532.5	1640.3	1725.4	1752.5	1766.8	1795.8
17.5°	1291.7	1289.8	1310.4	1351.3	1436.0	1573.8	1715.6	1760.9	1791.4	1827.8
20°	1279.4	1275.5	1286.3	1306.5	1366.6	1500.9	1690.0	1760.9	1811.1	1858.3
22.5°	1324.2	1317.8	1313.4	1310.9	1337.5	1440.9	1660.9	1755.0	1840.1	1902.2
25°	1414.3	1404.5	1381.8	1359.7	1351.8	1413.8	1635.3	1753.5	1883.4	1961.2
27.5°	1560.0	1547.7	1501.9	1448.8	1401.0	1427.6	1624.0	1762.3	1931.2	2023.7
30°	1740.7	1727.4	1669.8	1588.1	1502.4	1478.8	1638.3	1788.4	1992.2	2106.9
32.5°	1902.6	1887.9	1838.7	1755.5	1639.8	1567.4	1683.6	1838.2	2088.2	2222.6
35°	2046.4	2029.2	1984.9	1908.1	1808.1	1692.0	1765.3	1926.3	2224.6	2410.7
37.5°	2187.2	2167.0	2118.8	2037.5	1967.6	1857.8	1878.0	2039.5	2405.8	2639.1
40°	2344.7	2315.7	2257.1	2176.8	2108.9	2052.3	2026.2	2178.3	2589.9	2894.1
42.5°	2497.3	2469.7	2399.8	2331.4	2246.3	2230.0	2198.0	2340.8	2791.2	3174.2
45°	2661.7	2628.8	2544.1	2457.4	2403.8	2348.2	2364.4	2503.2	2988.6	3459.7
47.5°	2815.8	2778.9	2679.0	2582.5	2552.9	2447.6	2517.0	2681.9	3193.9	3749.2
50°	2899.0	2862.6	2779.4	2692.3	2669.1	2570.2	2682.4	2878.3	3409.0	4037.6
52.5°	2968.4	2929.0	2820.2	2772.0	2765.1	2703.6	2886.2	3102.8	3624.1	4292.6
55°	3042.3	2998.5	2859.6	2816.3	2847.8	2853.2	3127.9	3357.3	3851.6	4541.2
57.5°	3127.4	3071.8	2897.5	2853.7	2928.5	3028.5	3405.6	3621.2	4075.1	4771.6
60°	3207.7	3151.6	2970.4	2913.3	3015.7	3231.8	3724.1	3940.7	4328.1	4976.9
62.5°	3223.4	3177.1	3028.5	3028.0	3133.8	3469.1	4101.2	4263.1	4549.1	5179.7
65°	2950.7	2921.7	2833.5	3023.6	3303.2	3810.7	4521.1	4675.6	4830.2	5356.9
67.5°	2245.8	2249.7	2243.3	2610.0	3166.3	4301.5	5129.0	5117.2	5177.3	5555.8
70°	1026.9	1050.0	1200.7	1801.7	2536.7	4358.1	6134.3	5981.2	5612.9	5813.3
72.5°	554.8	572.5	634.1	872.8	1525.1	3874.7	6885.5	6994.3	6192.3	5986.6
75°	407.1	417.0	459.8	554.8	640.5	2879.8	6616.2	7174.4	6264.7	5582.4
77.5°	304.7	309.1	344.1	439.6	327.9	1518.2	5286.6	5941.8	5362.9	4586.5
80°	221.0	226.0	252.0	329.8	229.9	555.3	3630.0	4170.6	3672.9	2923.6
82.5°	152.6	154.6	165.9	224.5	160.5	215.6	2059.7	2445.6	2050.3	1025.9
85°	92.1	94.5	99.4	130.9	91.1	102.4	889.1	919.6	612.9	245.2
87.5°	37.9	40.4	44.3	55.1	35.9	28.6	146.7	184.1	114.7	71.9
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°
1679.6	0°	1679.6	1679.6	1679.6	1679.6	1679.6	1679.6	1679.6	1679.6	1679.6	1679.6
1684.6	2.5°	1682.1	1678.7	1669.3	1656.5	1644.7	1629.9	1623.5	1618.1	1613.2	1603.8
1697.9	5°	1692.4	1683.1	1658.0	1625.5	1588.6	1548.2	1508.8	1481.8	1458.6	1441.4
1713.1	7.5°	1708.2	1690.5	1644.7	1578.2	1493.6	1406.9	1328.7	1273.0	1231.2	1215.9
1734.8	10°	1724.4	1703.3	1623.5	1506.4	1360.2	1226.8	1122.9	1065.8	1032.3	1021.5
1760.4	12.5°	1743.6	1712.6	1590.5	1406.4	1211.0	1064.8	974.2	940.7	923.5	917.6
1791.9	15°	1771.7	1720.5	1540.8	1281.4	1068.7	946.6	888.1	864.9	856.1	855.6
1824.4	17.5°	1792.9	1722.0	1463.5	1147.5	959.4	875.3	827.0	818.2	824.1	832.9
1856.4	20°	1816.5	1708.7	1362.1	1025.4	882.7	812.7	792.6	798.5	812.7	825.5
1898.7	22.5°	1833.2	1684.6	1239.6	930.4	816.2	776.8	775.8	788.1	796.0	802.4
1948.4	25°	1848.0	1643.7	1109.6	850.7	761.6	755.2	766.0	762.0	756.6	762.0
1998.1	27.5°	1858.8	1579.2	993.4	780.7	723.2	740.4	734.0	725.1	724.6	727.6
2056.7	30°	1855.4	1493.1	897.9	714.3	696.1	712.8	697.6	696.1	694.6	696.1
2144.8	32.5°	1855.4	1395.1	824.6	668.5	678.8	672.4	671.0	667.5	661.6	661.1
2264.5	35°	1865.7	1297.1	761.6	643.9	664.6	649.3	650.3	641.9	629.6	623.7
2423.0	37.5°	1886.9	1218.4	699.0	632.1	639.5	639.0	635.0	620.8	599.1	580.4
2620.9	40°	1938.1	1195.2	656.2	626.7	627.7	633.6	623.2	595.7	546.4	515.9
2821.7	42.5°	2018.3	1234.1	646.9	613.4	619.8	625.7	605.5	541.5	506.6	488.3
3032.4	45°	2120.2	1302.1	667.0	594.2	601.1	611.4	551.3	520.8	505.1	505.6
3241.1	47.5°	2249.2	1373.4	704.4	577.4	574.0	579.9	515.4	496.7	475.0	480.5
3441.5	50°	2398.4	1445.8	739.9	554.8	544.0	524.8	492.3	474.6	447.0	434.2
3635.0	52.5°	2559.8	1515.7	754.2	527.2	511.5	489.3	476.5	454.9	421.4	400.2
3817.6	55°	2712.9	1579.2	738.4	494.2	479.0	461.8	459.8	446.5	410.6	381.0
3980.1	57.5°	2857.7	1632.4	699.0	460.8	446.0	435.7	449.0	442.6	397.3	359.4
4133.6	60°	2980.2	1668.8	641.9	426.8	416.5	411.1	431.2	429.3	378.6	336.2
4271.5	62.5°	3077.7	1683.1	578.9	394.3	391.9	382.0	406.6	406.6	354.9	313.6
4392.6	65°	3154.0	1669.3	514.9	362.3	367.2	352.5	376.6	373.6	329.8	293.4
4531.9	67.5°	3221.5	1624.0	444.0	330.8	342.1	323.4	345.1	338.2	302.3	273.2
4652.5	70°	3251.5	1518.7	363.3	299.3	313.1	294.9	313.6	300.8	271.2	251.6
4520.1	72.5°	3010.3	1262.2	286.0	266.3	278.1	263.4	279.6	264.8	237.8	228.9
3903.3	75°	2490.4	947.1	220.0	230.4	239.2	227.9	238.8	227.9	203.3	209.7
2883.3	77.5°	1808.6	639.5	168.4	192.5	196.4	190.5	199.9	187.6	165.4	163.9
1437.0	80°	899.4	374.6	131.9	152.1	150.6	146.7	157.5	151.6	132.9	140.8
387.9	82.5°	260.4	160.5	96.0	106.8	103.9	104.9	112.7	115.7	173.3	171.8
120.6	85°	81.7	63.0	57.6	59.6	56.6	58.1	66.5	131.9	122.1	71.4
37.4	87.5°	21.2	21.7	14.3	15.3	15.8	18.7	21.2	80.2	38.4	25.1
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

<u>180°</u>
1679.6
1599.4
1427.1
1189.3
1004.7
919.1
857.5
836.4
830.0
805.9
765.5
732.5
701.5
667.5
629.6
586.8
519.8
488.3
508.0
494.2
437.6
399.7
381.0
357.4
334.7
312.1
291.4
271.2
247.6
221.5
191.5
156.5
139.3
175.7
77.3
26.6
0.0

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