

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: P945896

Luminaire Tested: **GALN-SB1C-950-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945896
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-SB1C-950-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5281 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

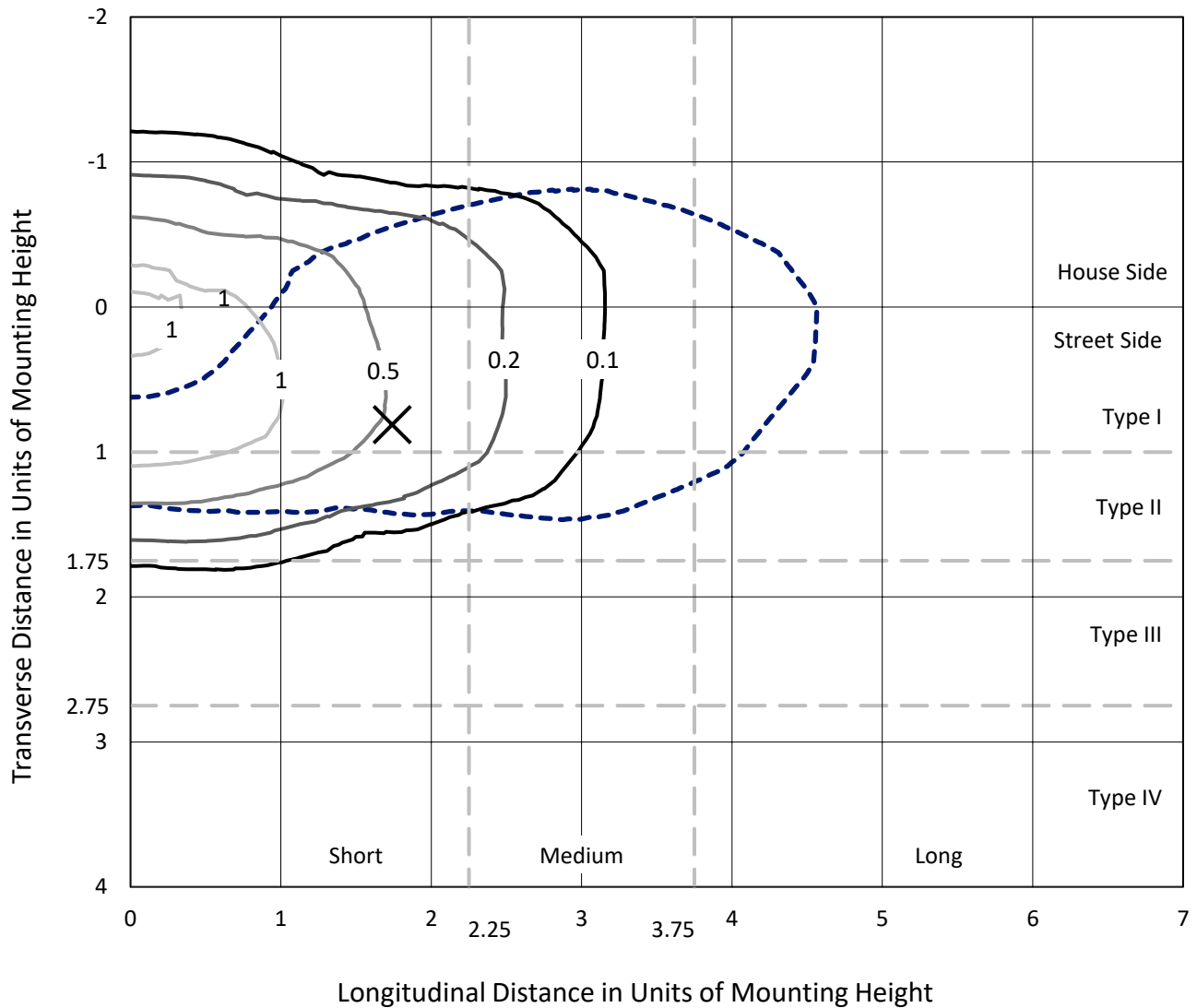
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

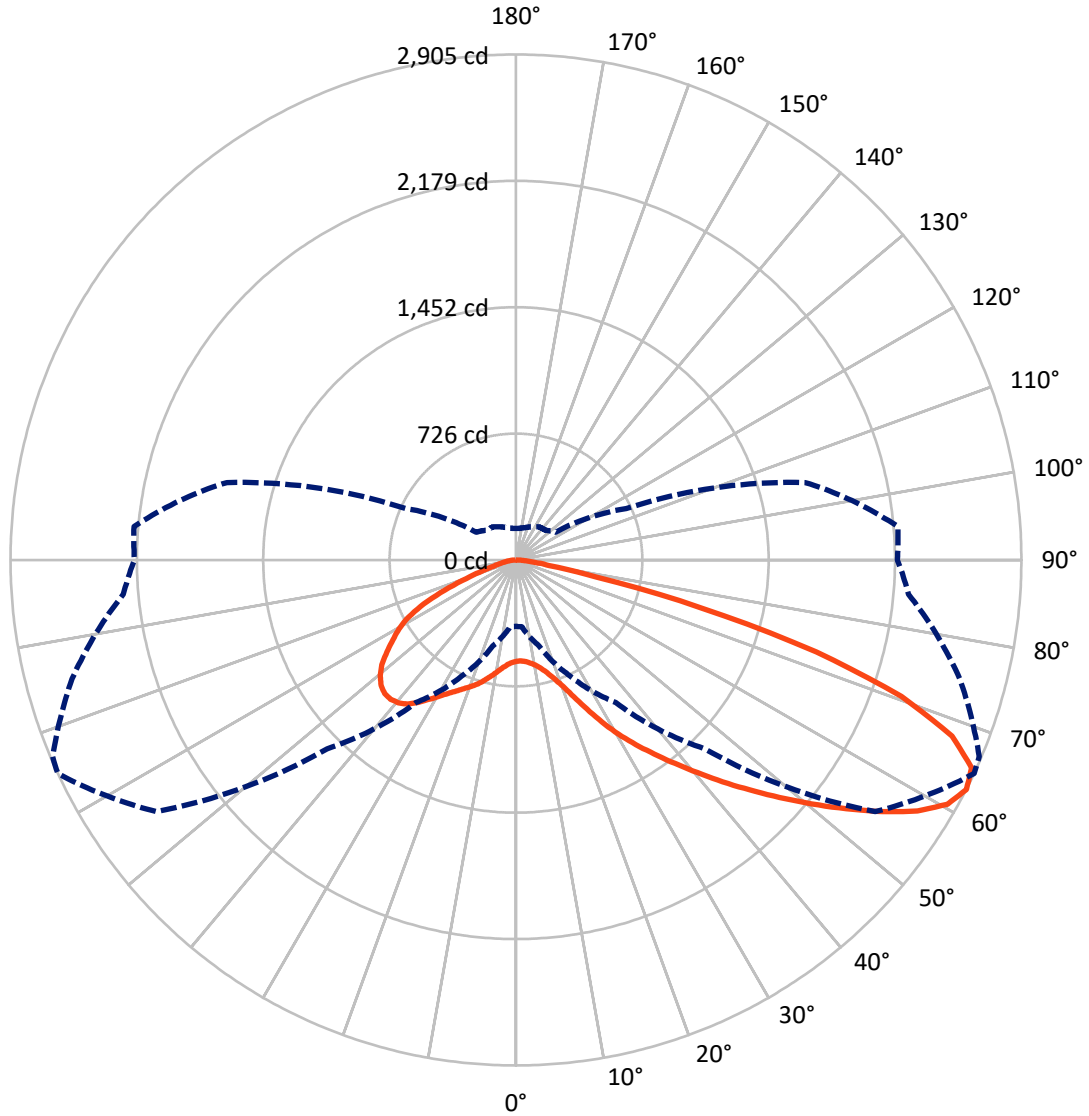
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	1666.5	0.0	1666.5
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	3614.5	0.0	3614.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	5281.0	0.0	5281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.1
10°-20°	196.7	3.7
20°-30°	398.9	7.6
30°-40°	690.3	13.1
40°-50°	1044.7	19.8
50°-60°	1224.8	23.2
60°-70°	1026.9	19.4
70°-80°	566.9	10.7
80°-90°	73.6	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°	5281.0	100.0
0°-180°	5281.0	100.0

Coefficient of Utilization



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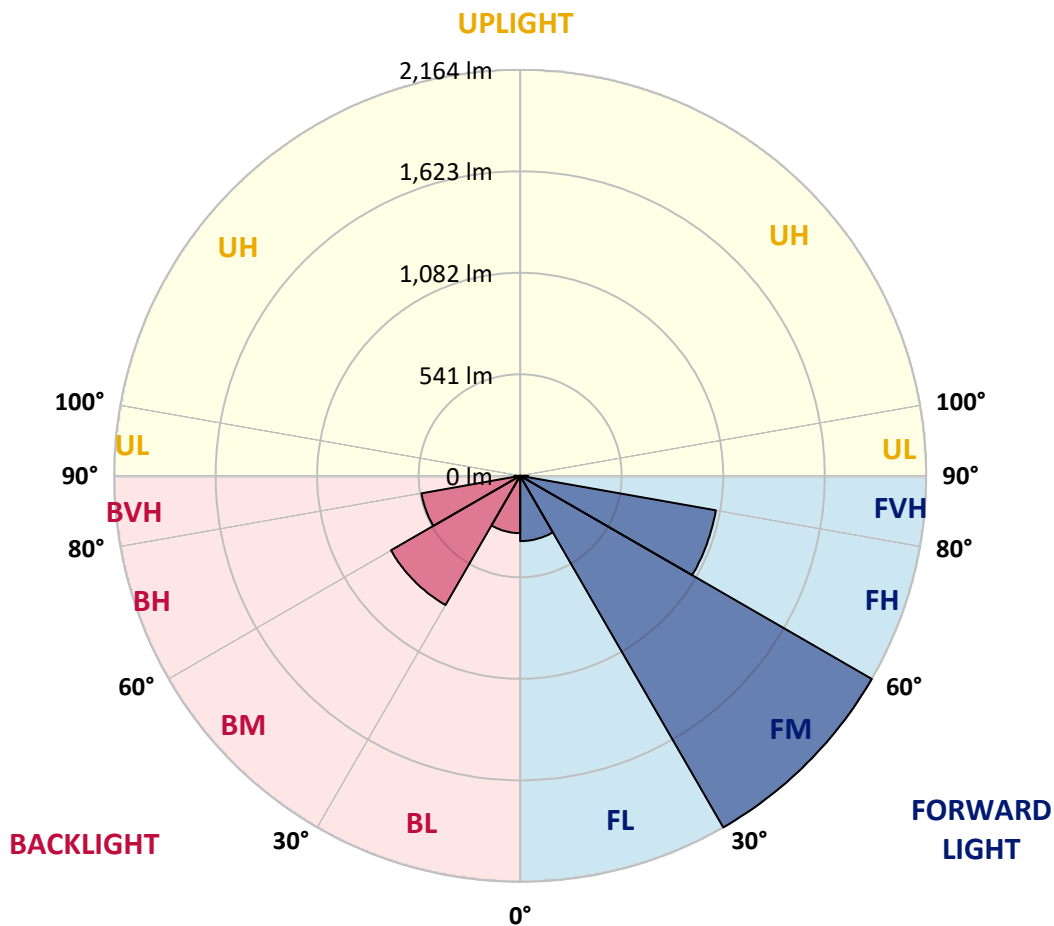
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	348.1	6.6			
FM (30°-60°)	2164.3	41.0			
FH (60°-80°)	1059.2	20.1			G1/1800
FVH (80°-90°)	42.9	0.8			G1/100
BL (0°-30°)	305.6	5.8	B1/500		
BM (30°-60°)	795.5	15.1	B1/1000		
BH (60°-80°)	534.6	10.1	B2/1000		G2/1000
BVH (80°-90°)	30.7	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9
2.5°	578.1	576.5	577.8	577.8	578.4	578.1	580.0	580.6	581.4	583.0
5°	572.4	572.1	574.5	576.7	578.9	580.8	583.3	586.9	587.4	589.3
7.5°	570.4	568.8	572.6	575.4	580.6	585.2	591.8	597.8	600.3	601.1
10°	585.2	582.5	586.1	587.7	592.1	596.7	604.4	614.0	616.7	620.0
12.5°	610.4	607.4	612.6	615.1	619.2	623.3	628.5	637.8	639.2	645.2
15°	645.0	641.4	644.7	647.7	654.5	658.4	663.6	672.6	672.6	677.3
17.5°	691.8	687.2	689.6	690.7	695.1	700.9	709.6	717.6	721.7	720.0
20°	761.7	755.9	755.9	750.4	748.8	753.5	765.0	775.9	780.3	771.8
22.5°	866.6	858.4	853.7	835.1	827.7	828.3	839.8	853.2	856.7	841.7
25°	1000.0	987.2	980.9	953.5	936.8	922.2	931.3	948.5	953.5	934.8
27.5°	1133.5	1134.3	1128.3	1095.4	1067.7	1041.1	1036.5	1054.6	1059.8	1038.7
30°	1320.6	1301.2	1289.6	1250.2	1210.7	1173.5	1154.3	1161.7	1163.1	1137.9
32.5°	1482.0	1477.1	1452.4	1417.9	1367.2	1308.8	1276.8	1265.0	1262.8	1226.9
35°	1665.8	1663.1	1637.1	1596.0	1541.2	1460.1	1402.3	1368.6	1365.8	1315.4
37.5°	1852.7	1852.7	1827.2	1782.3	1725.6	1624.2	1536.2	1482.8	1474.0	1408.3
40°	2001.7	1992.7	1997.3	1978.4	1913.5	1805.8	1685.0	1607.5	1595.7	1516.8
42.5°	2086.4	2083.4	2111.3	2132.4	2105.8	2019.8	1848.8	1742.5	1726.1	1636.2
45°	2105.3	2102.0	2151.9	2229.1	2266.4	2231.1	2026.9	1884.7	1864.7	1761.2
47.5°	2061.7	2055.2	2128.3	2250.2	2369.7	2431.9	2219.8	2039.0	2010.0	1882.8
50°	1930.8	1924.5	2035.2	2197.1	2404.5	2568.3	2429.1	2202.6	2158.2	2013.2
52.5°	1646.1	1649.1	1822.5	2045.0	2358.7	2653.3	2609.4	2374.9	2321.5	2146.7
55°	1282.2	1288.8	1502.0	1746.9	2175.7	2640.4	2732.4	2552.4	2499.3	2272.2
57.5°	918.1	947.2	1146.9	1389.4	1824.2	2436.3	2759.3	2721.2	2669.7	2409.1
60°	595.1	600.3	805.8	1050.2	1389.1	2073.5	2704.8	2849.2	2808.9	2548.9
62.5°	381.4	384.9	510.2	734.6	999.8	1534.0	2521.2	2904.8	2892.5	2641.2
65°	280.3	277.5	342.8	485.5	673.5	946.1	2164.8	2877.9	2902.3	2699.0
67.5°	234.0	230.1	262.2	336.2	496.2	537.3	1601.7	2703.4	2792.7	2692.4
70°	213.2	209.9	229.3	249.6	387.1	359.7	807.4	2350.2	2487.8	2617.6
72.5°	180.6	174.8	201.4	221.7	301.1	275.9	333.7	1805.3	1973.0	2377.9
75°	140.0	136.2	158.9	195.1	226.3	215.4	211.0	1096.2	1279.2	1839.0
77.5°	111.0	105.8	126.6	152.1	203.6	162.5	153.7	472.1	653.5	1174.0
80°	83.6	78.9	96.2	120.3	156.4	122.5	99.5	192.6	246.3	594.8
82.5°	59.5	55.3	67.1	88.2	105.2	109.9	61.1	107.9	121.4	229.3
85°	38.1	35.6	44.9	55.3	66.9	70.7	37.3	56.4	61.9	94.5
87.5°	20.8	17.0	24.1	25.8	31.0	28.2	17.8	20.5	22.2	34.2
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°
581.9	0°	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9	581.9
583.0	2.5°	584.1	585.0	587.7	588.5	590.4	592.9	594.5	596.2	596.2	597.8
591.8	5°	592.1	594.0	599.8	602.8	607.7	612.6	615.6	619.2	621.4	622.5
605.8	7.5°	607.4	610.4	618.7	623.9	632.4	639.2	643.9	648.8	649.9	652.9
625.2	10°	628.2	631.8	641.1	651.0	661.1	669.6	674.0	677.6	678.9	679.5
650.2	12.5°	652.1	657.3	669.3	681.4	692.1	699.5	700.6	699.8	695.9	692.6
680.9	15°	681.4	686.1	699.5	712.6	723.0	724.4	717.6	713.2	708.5	707.7
715.1	17.5°	716.5	718.9	731.3	744.1	745.0	740.3	730.2	726.1	721.7	718.7
759.8	20°	757.3	756.5	765.2	770.7	765.0	750.7	735.4	728.5	724.1	720.6
814.6	22.5°	806.1	799.8	798.7	797.3	782.0	752.1	731.3	722.5	715.6	710.7
891.0	25°	877.0	852.9	836.2	826.9	792.4	744.7	718.1	698.7	685.8	677.3
984.4	27.5°	965.8	925.2	883.1	860.3	792.4	729.6	686.3	654.8	633.7	625.0
1074.8	30°	1050.5	1008.0	945.8	900.6	790.4	705.0	635.1	591.3	566.6	557.8
1152.1	32.5°	1122.8	1076.5	1012.4	944.7	785.8	665.0	571.5	523.0	499.2	488.8
1228.5	35°	1189.9	1140.6	1079.2	993.2	773.5	606.3	501.7	464.7	438.1	421.4
1306.4	37.5°	1258.7	1200.1	1142.5	1037.0	751.3	537.8	448.0	416.5	385.2	362.8
1389.1	40°	1333.5	1263.3	1210.2	1063.1	714.8	472.6	406.3	377.6	344.4	320.6
1484.4	42.5°	1420.9	1339.2	1285.5	1076.5	665.0	426.3	379.2	351.0	319.7	300.3
1586.6	45°	1512.1	1422.8	1354.3	1076.2	609.3	404.7	370.4	342.5	308.0	287.7
1691.6	47.5°	1607.7	1510.2	1413.8	1058.7	561.1	407.7	365.5	324.1	286.0	266.3
1797.6	50°	1703.6	1605.8	1471.3	1025.8	540.6	401.1	347.1	298.4	253.4	235.6
1897.1	52.5°	1798.7	1707.5	1520.9	978.9	519.7	376.7	323.6	264.9	240.0	227.7
1999.8	55°	1894.3	1808.0	1574.9	910.7	467.7	348.2	284.1	252.3	229.3	218.1
2100.4	57.5°	1990.2	1924.2	1626.1	842.5	402.2	313.2	262.5	237.0	218.6	209.1
2184.5	60°	2090.0	2057.1	1679.0	779.8	337.5	268.2	246.6	224.7	206.0	195.4
2265.3	62.5°	2192.7	2203.4	1720.3	698.9	278.1	240.8	232.3	209.9	191.8	181.7
2332.2	65°	2296.3	2344.5	1747.5	586.9	225.5	214.8	217.0	193.7	175.4	166.6
2381.2	67.5°	2374.4	2446.1	1739.8	444.1	184.9	190.1	197.8	176.7	159.5	152.6
2373.3	70°	2383.1	2434.1	1664.2	304.1	154.8	166.0	176.4	160.0	142.2	137.3
2261.5	72.5°	2266.4	2269.7	1453.5	198.6	131.0	145.8	154.0	143.0	125.8	120.8
1978.4	75°	1960.4	1877.1	1067.2	131.0	109.6	125.2	132.9	125.2	108.5	109.6
1480.3	77.5°	1485.3	1329.4	648.0	93.2	91.5	105.2	115.6	110.1	95.9	107.7
744.4	80°	765.2	719.2	289.1	69.6	72.3	84.1	95.1	87.9	75.9	72.3
166.3	82.5°	175.4	203.8	114.0	49.9	52.3	60.6	72.6	66.0	54.5	46.0
69.3	85°	61.4	67.1	50.4	31.2	30.7	37.8	49.3	44.1	37.0	29.6
29.3	87.5°	19.5	25.5	18.9	12.6	13.2	17.0	22.7	20.8	17.3	11.2
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>
581.9
597.8
623.0
651.8
678.1
692.6
707.7
718.9
720.9
712.4
680.6
629.3
563.0
494.0
426.9
368.8
325.2
304.1
291.0
269.1
236.7
227.7
217.0
207.4
194.5
181.4
166.3
152.9
137.5
120.6
105.8
94.8
66.0
45.5
31.2
11.8
0.0

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