

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: P939217

Luminaire Tested: **GALN-SB1C-950-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
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-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5215 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

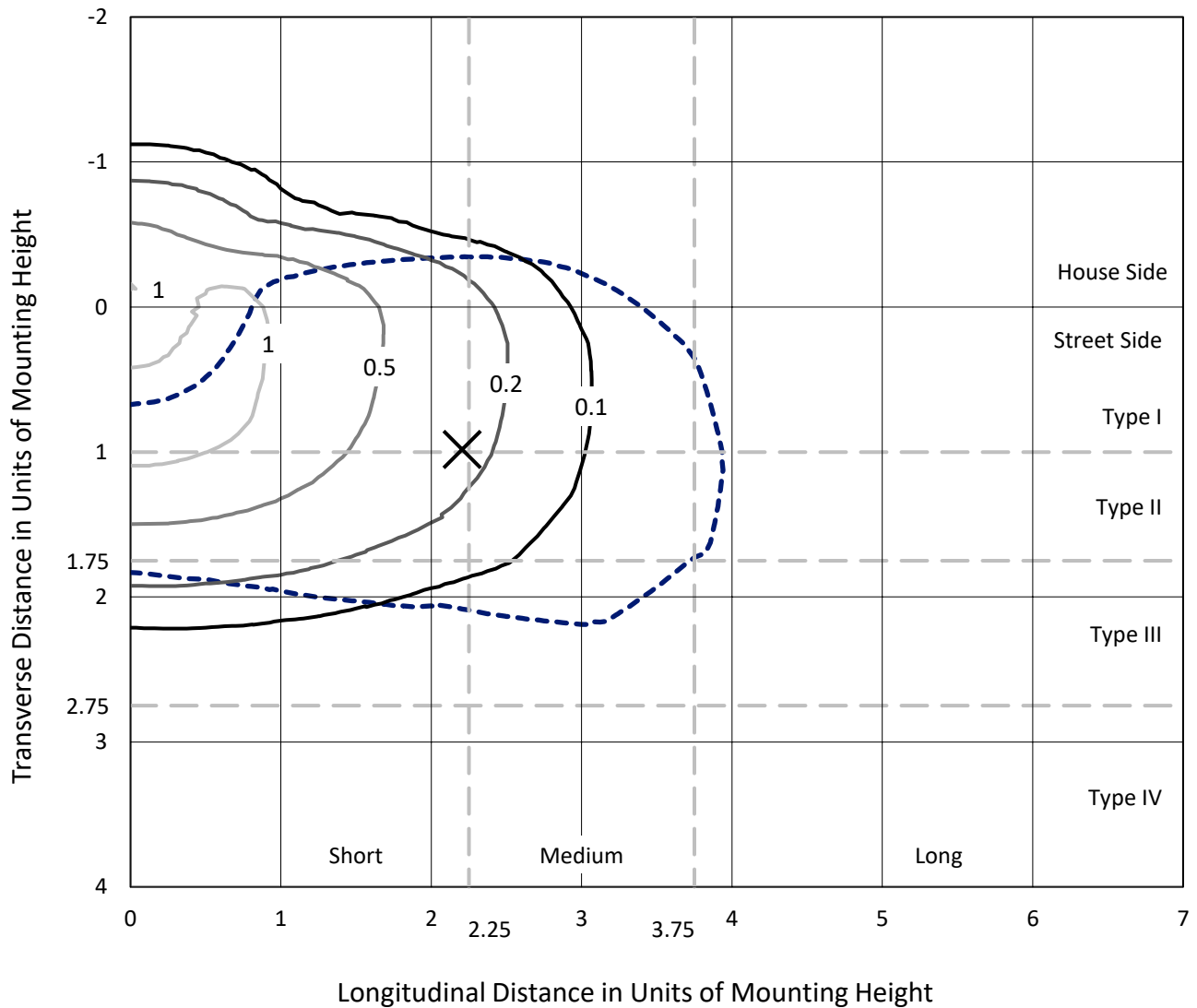
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

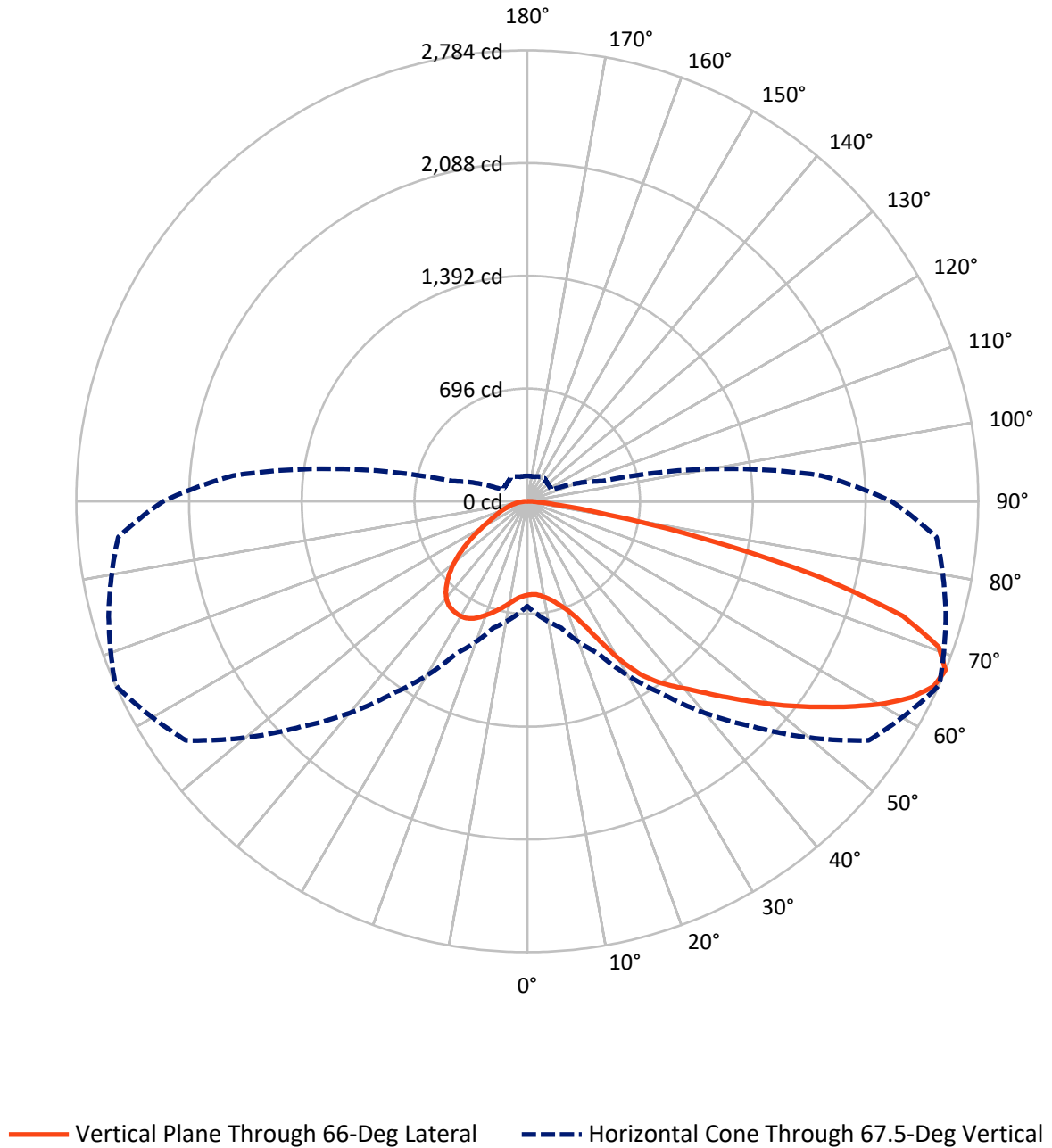
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1296.7	0.0	1296.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3918.3	0.0	3918.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	5215.0	0.0	5215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.1
10°-20°	189.5	3.6
20°-30°	365.2	7.0
30°-40°	640.3	12.3
40°-50°	951.9	18.3
50°-60°	1206.7	23.1
60°-70°	1180.7	22.6
70°-80°	563.2	10.8
80°-90°	60.2	1.2
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°	5215.0	100.0
0°-180°	5215.0	100.0

Coefficient of Utilization



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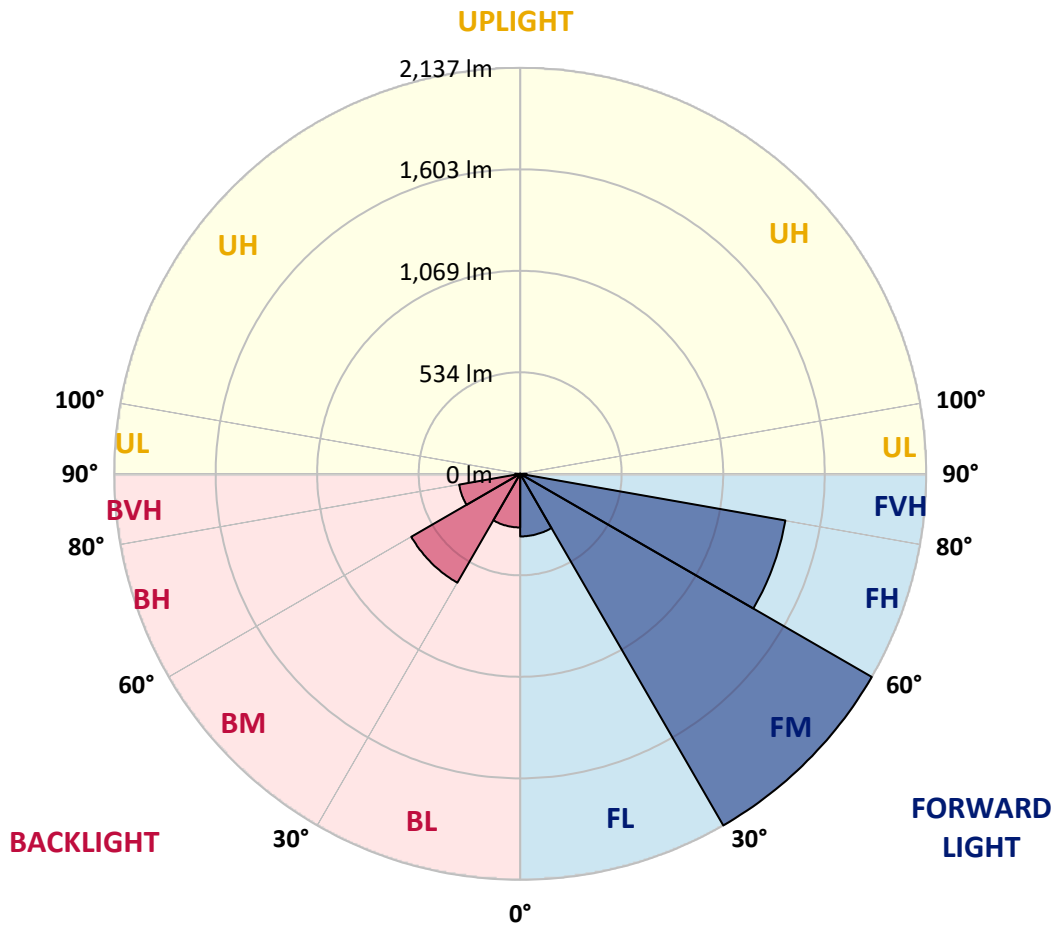
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.5	6.3			
FM (30°-60°)	2137.1	41.0			
FH (60°-80°)	1417.6	27.2			G1/1800
FVH (80°-90°)	34.1	0.7			G1/100
BL (0°-30°)	282.5	5.4	B1/500		
BM (30°-60°)	661.8	12.7	B1/1000		
BH (60°-80°)	326.3	6.3	B1/500		G1/500
BVH (80°-90°)	26.1	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	578.4	578.4	578.4	578.4	578.4	578.4	578.4	578.4	578.4	578.4
2.5°	572.4	575.7	574.9	573.5	573.2	573.8	574.6	575.4	575.1	576.5
5°	570.7	574.0	573.8	573.8	574.9	577.0	578.4	579.8	578.4	580.1
7.5°	571.8	574.3	575.4	576.5	579.2	583.3	586.6	589.6	588.0	589.9
10°	585.8	587.7	588.8	588.8	590.7	595.4	598.7	604.2	602.8	605.8
12.5°	611.3	613.2	613.2	612.1	613.5	616.5	617.6	623.6	621.2	626.1
15°	642.5	646.4	643.4	641.4	642.0	645.0	644.7	649.4	646.9	651.0
17.5°	677.1	682.0	677.1	676.8	675.7	679.0	679.2	683.4	679.0	682.0
20°	717.9	724.7	720.6	722.0	719.5	720.9	722.3	728.3	721.4	723.6
22.5°	775.4	783.6	779.3	784.5	782.8	781.7	781.4	792.1	781.4	782.3
25°	859.3	869.1	861.5	868.6	868.6	872.1	876.2	889.9	872.1	866.9
27.5°	983.1	993.0	977.9	982.3	980.9	989.7	985.3	1019.3	1000.1	991.6
30°	1132.2	1149.7	1121.2	1120.1	1118.7	1132.7	1139.0	1161.5	1142.0	1133.5
32.5°	1293.3	1311.6	1277.7	1267.8	1262.6	1271.1	1265.9	1284.0	1270.5	1257.4
35°	1463.7	1481.8	1449.5	1430.3	1409.5	1391.6	1373.0	1377.7	1365.1	1345.1
37.5°	1624.8	1658.0	1623.7	1603.2	1564.8	1530.0	1478.0	1456.3	1444.5	1426.2
40°	1788.9	1807.8	1781.8	1764.3	1722.6	1668.1	1584.8	1539.1	1523.2	1505.4
42.5°	1909.8	1927.9	1913.9	1901.8	1869.2	1805.9	1698.2	1641.0	1618.0	1598.0
45°	2005.7	2019.1	2010.3	2014.7	2000.7	1939.4	1815.8	1750.3	1726.5	1702.1
47.5°	2044.3	2058.6	2072.5	2098.6	2122.4	2077.2	1942.1	1868.7	1843.5	1818.5
50°	2039.9	2054.4	2095.0	2150.3	2224.3	2209.3	2075.3	1994.7	1971.4	1942.9
52.5°	2004.9	2021.3	2073.4	2165.4	2283.2	2308.2	2210.9	2124.9	2102.9	2069.0
55°	1912.8	1922.7	2000.7	2131.2	2297.2	2377.2	2343.8	2263.5	2241.6	2194.2
57.5°	1742.1	1756.3	1870.0	2038.8	2262.1	2424.1	2460.5	2409.3	2388.2	2320.0
60°	1519.3	1542.1	1672.2	1883.7	2172.8	2423.8	2566.6	2552.6	2535.0	2443.8
62.5°	1267.2	1293.6	1418.8	1664.5	2016.6	2355.0	2632.9	2672.6	2663.5	2558.1
65°	973.2	991.3	1116.0	1381.0	1773.6	2207.3	2640.5	2754.5	2756.2	2644.9
67.5°	648.0	700.1	808.3	1036.3	1448.1	1965.9	2573.1	2767.9	2783.8	2674.8
70°	316.2	384.7	490.7	673.5	1036.3	1595.8	2396.9	2657.8	2693.1	2587.6
72.5°	131.2	153.4	211.3	332.4	594.9	1076.8	2042.9	2359.1	2424.6	2292.8
75°	88.5	95.9	120.8	170.4	271.0	531.0	1473.3	1759.1	1864.6	1731.7
77.5°	68.2	72.9	88.0	119.2	161.1	200.8	788.6	1060.1	1114.6	1031.9
80°	53.7	57.3	65.8	86.9	114.3	107.4	268.8	480.3	511.8	429.4
82.5°	46.6	47.9	47.1	58.9	75.9	62.7	88.2	177.3	195.6	141.9
85°	33.7	37.5	39.2	36.4	40.3	31.8	36.2	62.7	69.0	61.6
87.5°	13.7	20.3	24.9	23.6	14.8	9.0	11.2	18.4	21.1	23.0
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°
578.4	0°	578.4	578.4	578.4	578.4	578.4	578.4	578.4	578.4	578.4	578.4
578.7	2.5°	579.0	580.9	582.2	583.9	585.0	586.6	589.9	591.8	592.1	593.5
583.1	5°	584.2	586.9	589.9	594.3	599.2	603.3	609.6	614.0	615.7	617.0
593.8	7.5°	595.4	599.2	604.7	612.4	619.5	625.0	632.7	637.9	643.1	645.0
610.7	10°	612.1	617.6	625.5	636.0	643.6	650.7	658.7	663.1	668.3	670.5
631.0	12.5°	632.9	638.7	649.1	663.6	670.8	675.7	678.4	677.3	678.4	680.3
655.4	15°	656.8	663.1	674.9	690.5	695.4	691.0	685.0	679.5	678.7	679.2
685.0	17.5°	685.0	689.7	703.4	716.5	712.9	694.9	681.7	672.9	668.6	667.2
722.8	20°	724.5	724.5	735.7	743.9	720.1	689.4	668.8	654.6	645.5	641.7
774.3	22.5°	772.4	768.0	775.1	769.4	718.7	674.0	645.5	620.9	607.2	601.7
846.4	25°	833.2	828.0	826.1	790.5	708.8	649.7	603.3	573.5	561.4	558.4
950.2	27.5°	925.0	911.9	886.9	802.0	690.8	611.3	554.0	526.4	519.5	519.8
1083.7	30°	1047.2	1020.9	959.8	803.9	661.2	557.0	503.6	483.9	480.6	482.0
1195.7	32.5°	1160.4	1135.5	1034.3	795.1	615.7	503.9	458.4	445.2	440.3	442.0
1281.2	35°	1249.2	1242.3	1103.4	782.8	559.8	454.0	417.8	406.6	397.0	394.8
1361.8	37.5°	1333.0	1330.3	1155.2	765.6	504.4	418.7	385.2	370.4	356.5	348.8
1450.8	40°	1425.1	1422.3	1189.2	739.0	455.4	388.0	355.9	336.5	319.2	305.2
1551.7	42.5°	1528.6	1512.5	1205.3	700.9	413.7	362.0	332.1	305.8	283.0	270.2
1665.6	45°	1641.8	1605.4	1205.0	652.4	378.7	338.1	306.6	269.3	248.2	236.2
1782.6	47.5°	1761.8	1694.1	1190.3	598.7	344.7	311.8	267.1	238.7	224.7	217.3
1909.8	50°	1885.7	1777.2	1165.0	537.0	309.9	281.9	242.5	223.0	212.3	205.5
2035.8	52.5°	2002.1	1852.5	1134.6	467.2	274.5	252.9	231.5	216.5	205.2	197.6
2158.0	55°	2110.3	1917.4	1091.6	395.7	245.8	233.4	226.3	213.7	200.8	191.8
2282.1	57.5°	2206.5	1959.6	1017.4	328.5	225.2	220.0	220.8	209.1	194.3	186.6
2404.3	60°	2286.5	1990.6	907.5	266.3	208.5	206.9	212.3	200.3	183.0	174.3
2507.6	62.5°	2334.5	1990.1	772.7	218.1	194.3	194.8	201.1	189.3	171.8	163.6
2561.6	65°	2330.4	1941.3	624.7	186.6	180.6	181.1	189.3	177.3	162.5	157.5
2534.5	67.5°	2247.9	1822.4	479.2	166.0	165.5	168.0	177.6	169.1	156.7	156.2
2372.8	70°	2024.6	1575.5	345.2	149.6	149.9	153.4	166.0	163.9	153.7	154.8
1995.0	72.5°	1623.4	1201.2	231.8	132.3	132.6	138.4	155.1	159.7	150.7	165.2
1415.5	75°	1081.2	749.1	149.1	114.0	114.3	121.7	145.5	151.8	142.5	164.7
736.5	77.5°	519.5	336.7	108.0	95.9	95.9	102.7	125.8	135.9	121.4	128.0
236.7	80°	179.5	126.6	84.9	77.3	75.6	80.3	106.0	117.8	104.7	96.4
77.3	82.5°	70.7	65.8	68.2	60.0	54.5	57.5	82.5	97.3	77.0	69.6
43.6	85°	40.6	42.7	48.2	39.7	31.5	35.3	60.6	69.9	58.1	51.2
14.2	87.5°	11.0	15.1	22.2	20.5	14.2	15.1	28.8	38.6	33.4	25.8
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°
578.4
593.2
616.8
645.3
671.6
680.9
681.2
669.1
640.9
600.9
559.0
520.6
486.6
444.2
396.5
349.1
306.6
271.0
235.6
215.6
203.0
194.3
188.2
181.7
170.4
161.1
157.3
157.0
154.5
167.4
166.0
117.3
90.4
69.3
52.3
26.6
0.0

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