

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: P945852

Luminaire Tested: **GALN-SB1C-935-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-935-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5308 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

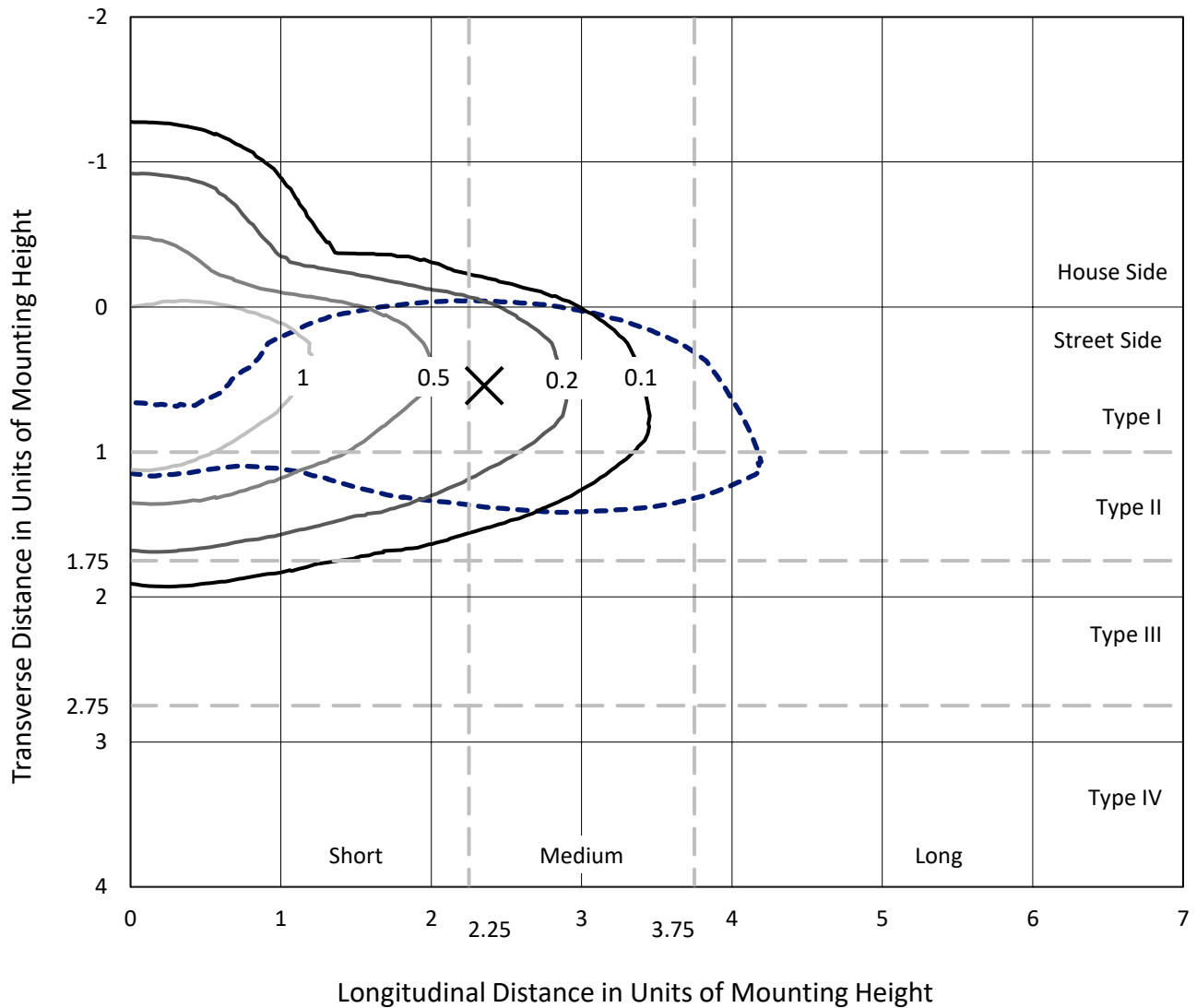
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

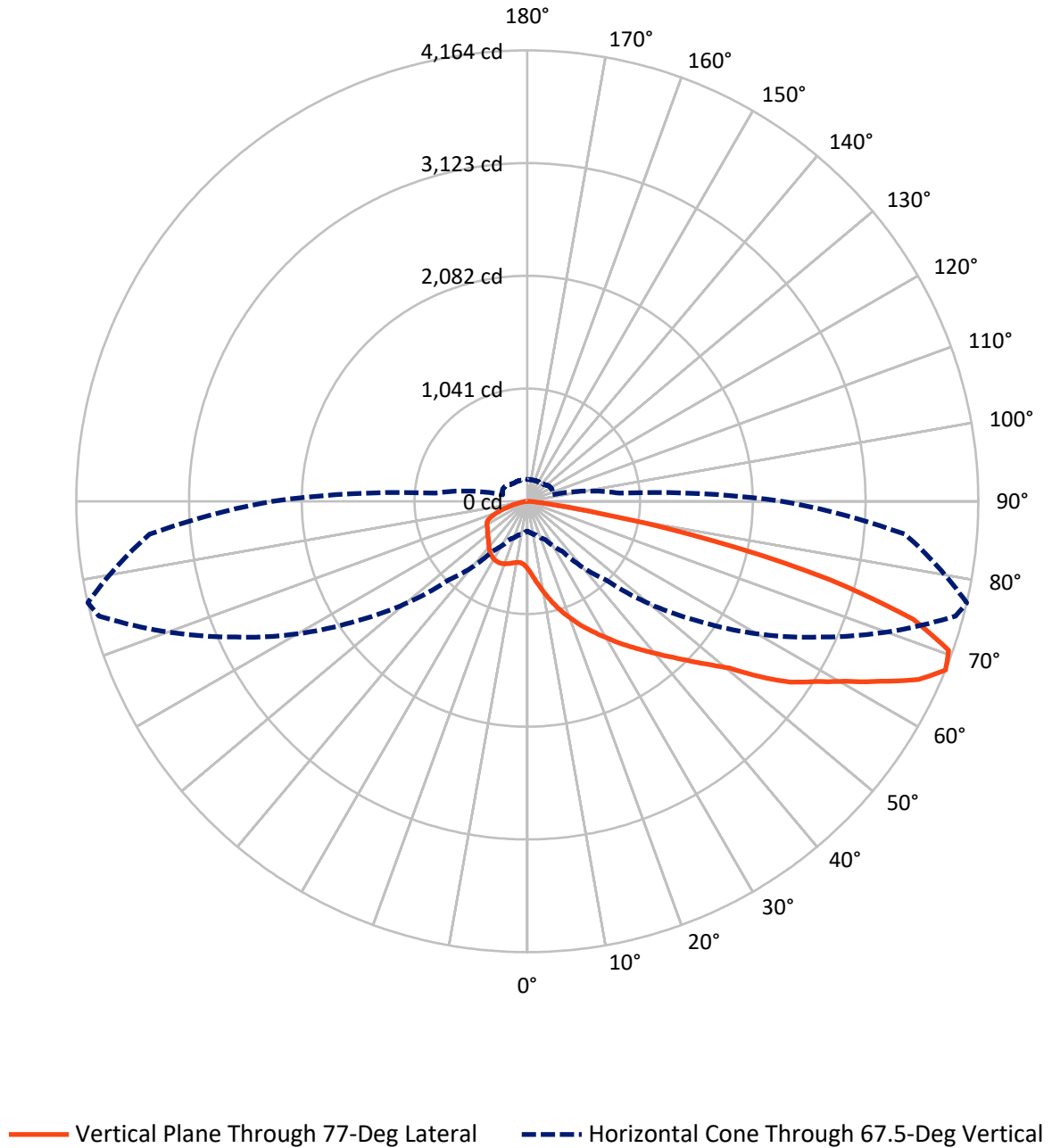
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1004.1	0.0	1004.1
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	4303.9	0.0	4303.9
	% Fixture	81.1	0.0	81.1
Total	Lumens	5308.0	0.0	5308.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	1.3
10°-20°	239.8	4.5
20°-30°	452.8	8.5
30°-40°	729.5	13.7
40°-50°	997.8	18.8
50°-60°	1125.5	21.2
60°-70°	1050.5	19.8
70°-80°	575.9	10.8
80°-90°	69.5	1.3
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°	5308.0	100.0
0°-180°	5308.0	100.0

Coefficient of Utilization

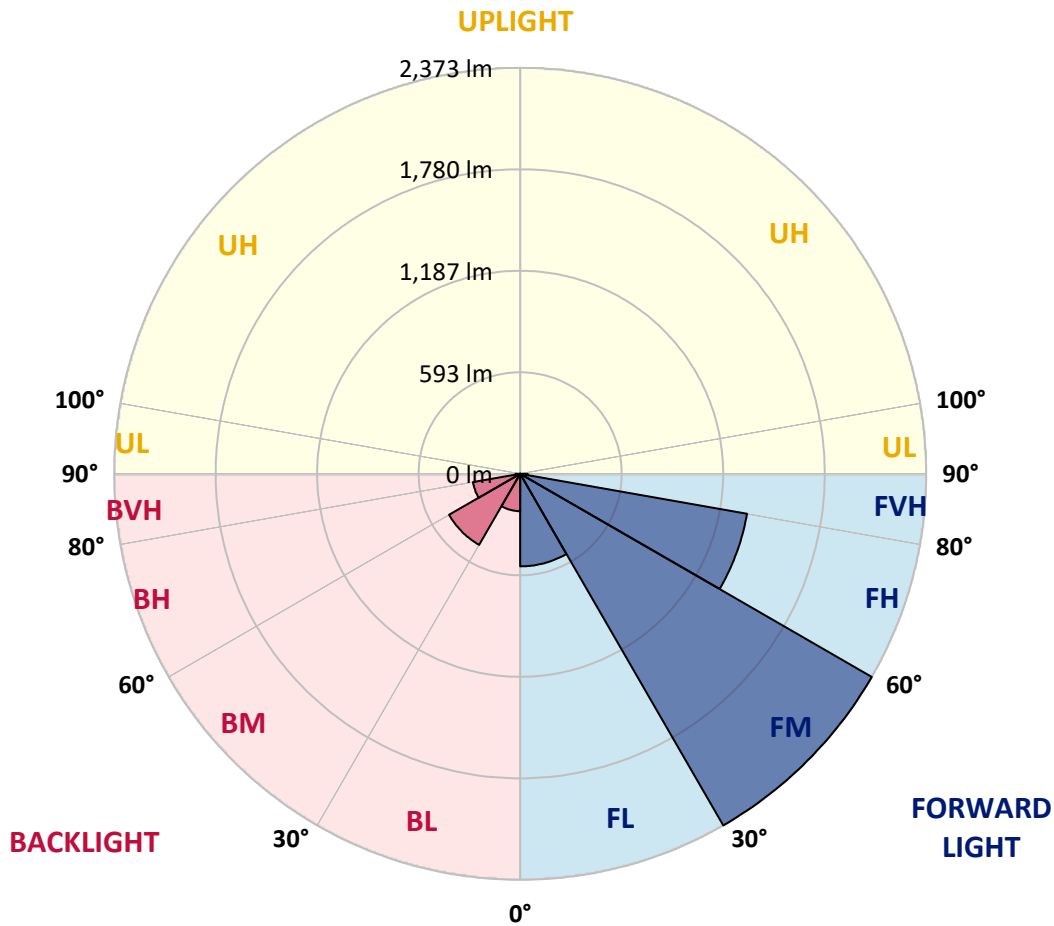


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	541.1	10.2			
FM (30°-60°)	2373.1	44.7			
FH (60°-80°)	1346.3	25.4			G1/1800
FVH (80°-90°)	43.4	0.8			G1/100
BL (0°-30°)	218.3	4.1	B1/500		
BM (30°-60°)	479.6	9.0	B1/1000		
BH (60°-80°)	280.1	5.3	B1/500		G1/500
BVH (80°-90°)	26.0	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8
2.5°	779.8	785.3	778.4	778.4	755.4	743.4	720.3	702.8	671.3	665.8
5°	921.7	928.6	919.0	914.9	887.7	862.8	824.2	786.1	729.9	724.2
7.5°	1031.6	1040.4	1031.9	1027.5	1003.4	975.4	930.2	877.1	797.9	786.6
10°	1121.2	1122.6	1119.8	1121.5	1102.6	1079.5	1033.2	971.3	872.4	857.1
12.5°	1171.9	1178.2	1183.7	1193.5	1190.2	1176.0	1134.3	1060.4	951.3	931.6
15°	1195.7	1206.7	1219.0	1241.8	1260.1	1263.7	1231.9	1156.0	1031.6	1007.8
17.5°	1204.2	1214.6	1234.1	1267.0	1306.4	1333.0	1318.7	1248.9	1111.1	1083.7
20°	1247.2	1250.2	1262.0	1293.3	1336.0	1380.1	1390.8	1338.2	1189.7	1158.7
22.5°	1339.3	1333.3	1336.6	1350.8	1381.5	1424.2	1448.6	1417.1	1270.5	1234.9
25°	1491.4	1473.8	1456.3	1439.8	1455.5	1479.6	1507.3	1496.0	1355.2	1310.0
27.5°	1683.4	1662.1	1623.4	1569.5	1550.5	1559.0	1571.4	1569.2	1433.5	1387.8
30°	1872.5	1847.6	1801.5	1723.4	1673.6	1651.1	1641.8	1635.5	1518.8	1470.0
32.5°	2023.5	2003.7	1958.5	1871.1	1798.8	1760.4	1729.5	1707.0	1607.8	1559.0
35°	2155.5	2137.2	2085.4	1990.0	1911.4	1870.6	1830.0	1782.1	1700.4	1651.1
37.5°	2276.1	2257.7	2186.8	2087.6	2008.4	1980.2	1944.0	1862.6	1793.3	1746.7
40°	2352.3	2348.1	2281.8	2169.5	2087.3	2073.3	2061.3	1956.1	1896.3	1853.0
42.5°	2371.7	2380.8	2328.1	2235.8	2157.4	2146.2	2174.4	2061.8	2012.0	1970.6
45°	2324.9	2350.9	2316.4	2253.6	2207.3	2201.3	2274.7	2177.4	2139.9	2102.1
47.5°	2206.2	2250.3	2236.1	2227.3	2220.7	2246.8	2362.9	2300.2	2284.9	2252.0
50°	1966.7	2050.3	2075.2	2130.6	2194.2	2282.1	2443.2	2434.2	2454.2	2421.0
52.5°	1552.7	1667.8	1812.5	1951.1	2112.5	2270.3	2531.5	2626.5	2710.9	2692.8
55°	1281.8	1333.5	1444.8	1699.1	1954.1	2220.7	2571.2	2781.9	2965.7	2949.6
57.5°	1073.5	1119.8	1188.3	1400.7	1714.7	2108.1	2595.8	2876.7	3140.3	3138.6
60°	850.2	899.3	969.4	1119.8	1434.9	1913.6	2590.4	2984.6	3363.0	3376.7
62.5°	598.1	652.1	729.9	870.2	1149.1	1661.5	2478.6	3062.7	3625.2	3662.5
65°	393.2	428.8	487.4	608.5	856.2	1337.4	2265.1	3072.9	3905.8	3968.8
67.5°	275.6	289.3	323.9	389.6	564.4	1025.6	1925.1	2967.9	4093.0	4163.9
70°	215.1	221.9	239.5	265.8	354.6	689.6	1475.2	2695.0	4053.0	4126.9
72.5°	185.8	192.3	198.9	202.2	237.8	425.8	999.3	2253.3	3676.2	3726.3
75°	168.5	170.2	175.6	174.5	181.4	276.2	576.8	1641.8	2900.5	2883.3
77.5°	141.7	143.8	152.9	151.5	161.1	188.8	299.5	1059.5	1880.4	1763.2
80°	120.0	121.1	131.0	129.3	140.0	136.7	152.9	540.0	797.6	675.7
82.5°	41.6	51.5	100.0	103.0	106.9	82.7	88.2	220.3	243.6	186.6
85°	20.3	21.6	51.0	72.3	72.1	41.6	43.0	78.6	76.7	60.3
87.5°	3.3	4.1	6.0	28.2	22.5	11.0	14.8	15.3	15.9	13.7
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°
622.8	0°	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8	622.8
645.0	2.5°	629.6	615.9	587.2	560.6	539.8	519.8	508.5	498.9	493.5	492.4
675.1	5°	646.6	618.4	566.1	522.0	493.2	471.8	460.6	453.5	449.9	447.7
715.7	7.5°	671.0	629.6	555.1	505.0	474.8	459.5	453.7	452.6	452.4	452.6
764.7	10°	704.7	648.0	554.0	500.9	475.7	467.2	466.9	467.2	468.3	468.5
818.2	12.5°	741.2	666.9	558.4	504.4	486.1	481.4	480.6	480.3	481.1	481.7
872.1	15°	780.9	691.8	565.8	512.1	497.6	492.6	491.8	490.2	489.9	489.6
928.8	17.5°	821.7	716.5	574.0	520.3	505.0	498.1	495.1	491.3	488.3	487.4
987.5	20°	863.1	740.9	579.8	524.4	505.5	495.9	489.9	483.3	478.1	475.1
1046.7	22.5°	907.2	766.4	583.3	523.3	500.6	487.4	476.5	468.8	460.9	455.7
1106.4	25°	950.2	788.6	583.1	517.6	491.0	474.3	460.3	450.4	439.5	434.0
1168.0	27.5°	991.6	808.6	576.2	507.4	477.3	458.7	442.0	430.2	419.5	414.3
1230.2	30°	1034.3	825.3	565.5	492.6	461.1	440.6	422.2	412.1	402.5	397.6
1296.0	32.5°	1076.8	840.6	550.5	474.3	442.5	422.8	404.7	395.4	389.6	389.6
1366.7	35°	1121.7	851.3	530.5	452.9	422.8	403.9	389.6	384.1	383.6	380.3
1441.5	37.5°	1169.1	858.2	506.1	431.0	403.3	385.5	381.1	374.6	369.1	361.9
1523.7	40°	1219.0	865.0	476.8	408.3	382.8	372.9	371.0	362.2	346.6	329.1
1616.9	42.5°	1279.6	869.7	446.3	385.5	361.1	357.8	360.6	345.5	320.6	307.4
1729.2	45°	1349.7	877.3	418.4	363.0	338.9	338.9	350.4	330.7	310.2	301.9
1857.4	47.5°	1440.7	895.1	392.4	338.4	318.4	323.9	328.0	312.9	301.4	291.3
2013.6	50°	1572.2	937.9	365.5	313.5	302.8	313.7	308.0	299.2	285.8	277.6
2261.8	52.5°	1735.5	963.1	341.7	291.0	289.3	300.3	292.1	283.9	273.7	262.8
2450.1	55°	1846.7	967.8	321.7	274.5	280.3	279.2	276.2	268.8	263.3	248.8
2635.8	57.5°	1971.1	977.1	305.2	264.7	274.5	262.5	261.4	255.1	248.0	238.1
2862.4	60°	2119.9	991.6	291.0	260.8	269.6	251.5	246.0	243.6	236.5	231.5
3135.1	62.5°	2282.1	1004.7	276.5	261.4	263.9	240.8	232.6	231.8	227.4	225.8
3391.0	65°	2392.8	968.9	258.4	260.8	254.8	229.9	219.5	219.2	215.6	215.1
3501.9	67.5°	2354.2	855.1	234.0	253.2	245.5	218.9	207.4	206.3	201.7	201.9
3386.0	70°	2160.7	692.9	200.3	234.3	234.0	209.1	194.8	191.2	184.9	186.0
2944.1	72.5°	1798.0	513.5	155.1	202.8	215.6	200.0	180.3	174.5	166.6	167.7
2173.3	75°	1298.5	349.1	112.9	154.3	187.7	189.3	166.0	156.2	146.6	148.2
1209.7	77.5°	664.4	197.8	83.0	106.3	147.4	172.1	153.2	140.0	137.8	153.2
348.8	80°	216.7	99.2	57.5	74.5	96.7	140.8	134.3	119.2	118.6	122.2
73.2	82.5°	64.7	41.9	37.0	49.0	53.4	108.0	115.9	90.1	77.5	81.7
24.4	85°	22.2	20.3	21.1	24.4	25.5	63.3	81.1	59.7	56.4	62.2
5.5	87.5°	5.2	7.1	6.0	5.5	5.5	15.3	31.5	24.9	34.5	23.0
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>
622.8
492.4
447.4
453.5
468.8
482.0
489.4
488.3
476.2
455.9
434.0
414.0
397.3
389.9
379.5
360.9
326.6
307.7
303.3
291.0
276.7
260.6
249.1
234.8
232.9
225.8
214.8
201.9
187.1
167.4
148.8
151.0
104.9
84.4
61.4
22.2
0.0

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