

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: P940574

Luminaire Tested: **GALN-SB3C-950-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB3C-950-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11414 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

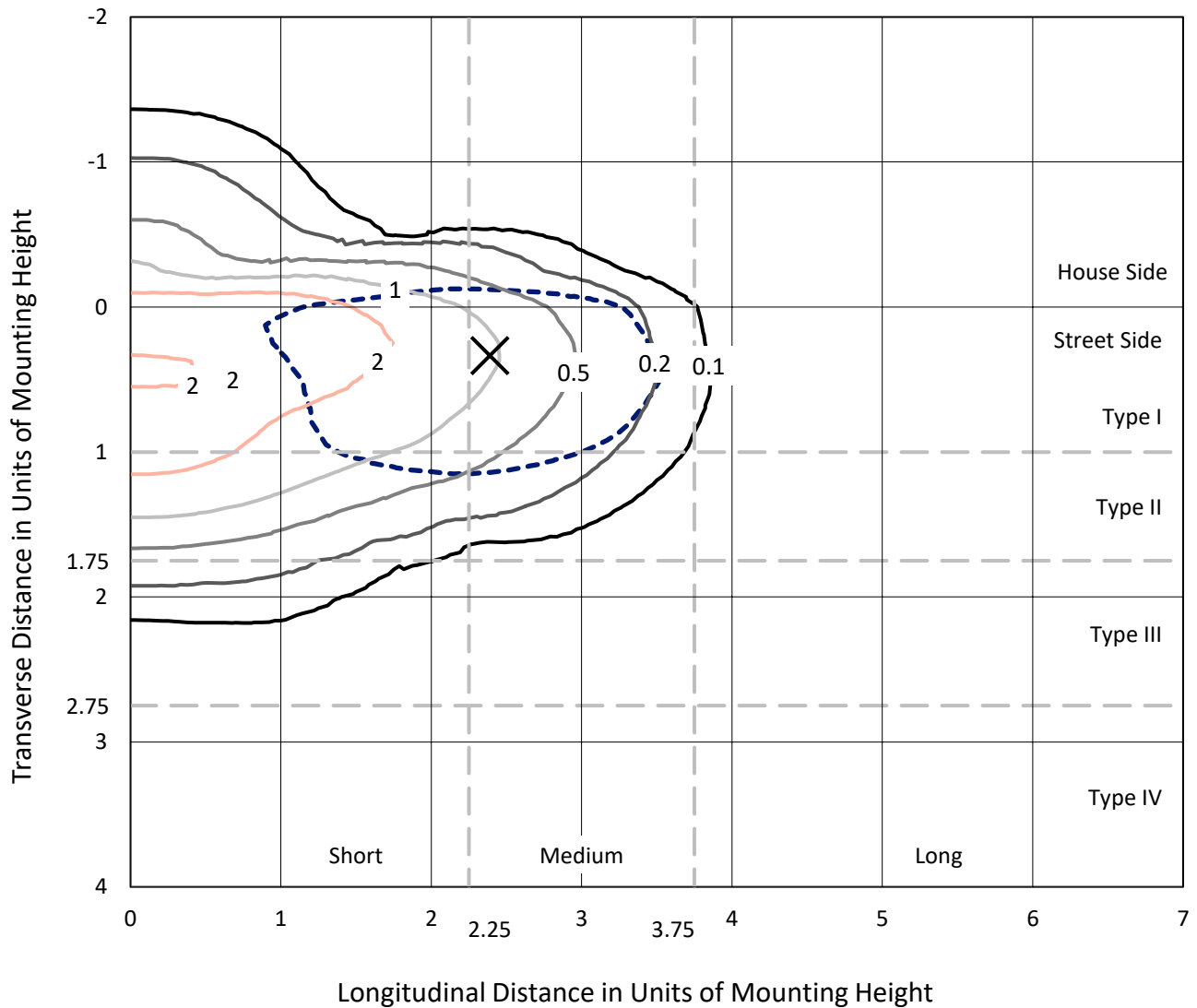
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

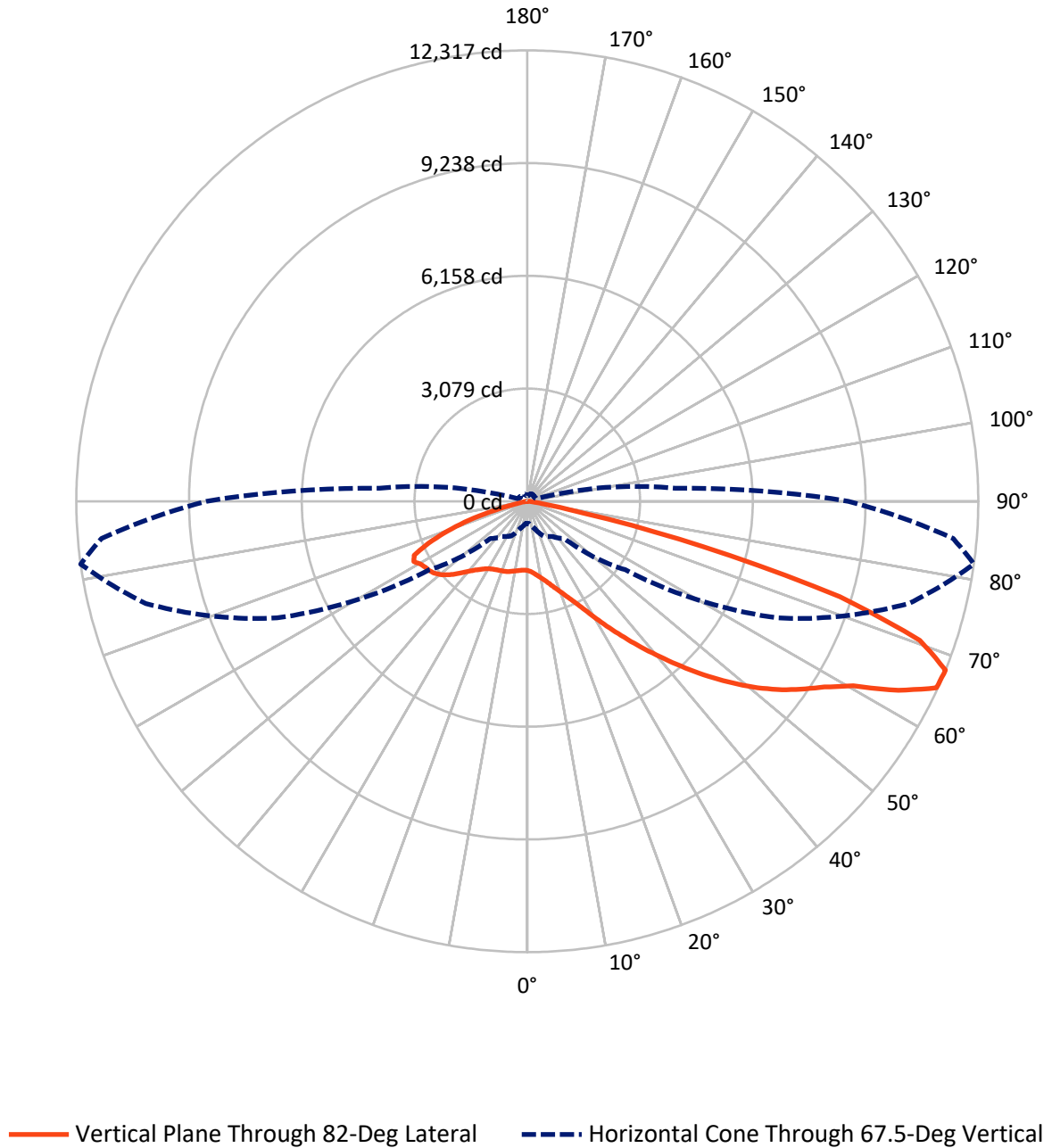
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	2067.5	0.0	2067.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	9346.5	0.0	9346.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	11414.0	0.0	11414.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.5	1.5
10°-20°	437.8	3.8
20°-30°	701.2	6.1
30°-40°	1239.9	10.9
40°-50°	2172.4	19.0
50°-60°	2897.4	25.4
60°-70°	2697.3	23.6
70°-80°	1035.2	9.1
80°-90°	64.3	0.6
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°	11414.0	100.0
0°-180°	11414.0	100.0

Coefficient of Utilization



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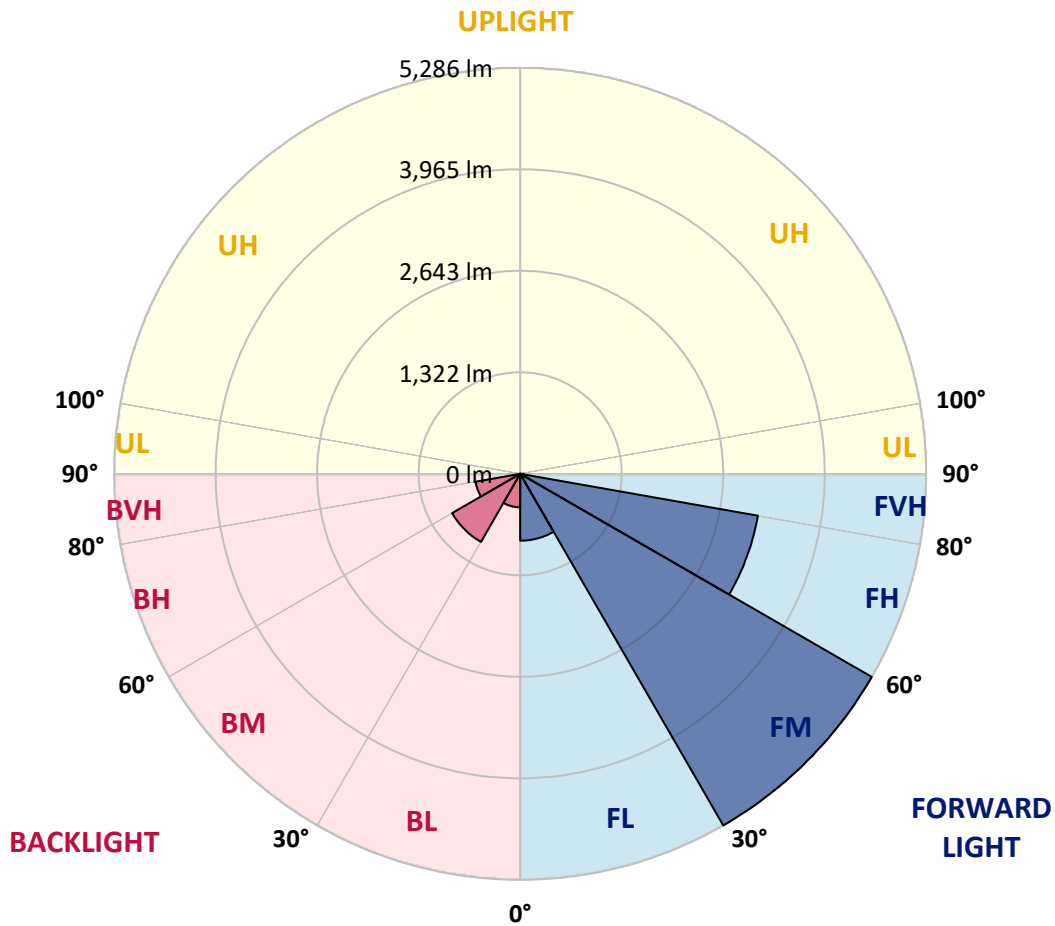
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	870.8	7.6			
FM (30°-60°)	5286.5	46.3			
FH (60°-80°)	3142.4	27.5			G2/5000
FVH (80°-90°)	46.8	0.4			G1/100
BL (0°-30°)	436.7	3.8	B1/500		
BM (30°-60°)	1023.2	9.0	B2/2500		
BH (60°-80°)	590.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	17.6	0.2			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1890.9	1890.9	1890.9	1890.9	1890.9	1890.9	1890.9	1890.9	1890.9	1890.9
2.5°	1998.6	2010.1	2003.5	2000.2	1994.5	1986.2	1979.7	1959.1	1937.8	1923.8
5°	2038.8	2050.3	2049.5	2052.8	2056.9	2059.4	2057.7	2034.7	2004.3	1980.5
7.5°	2004.3	2017.5	2028.2	2044.6	2073.3	2103.8	2118.5	2113.6	2082.4	2049.5
10°	1906.5	1920.5	1946.0	1984.6	2045.4	2111.2	2166.2	2191.7	2172.0	2135.8
12.5°	1727.4	1741.3	1791.5	1875.3	1977.2	2091.4	2196.6	2264.8	2269.8	2233.6
15°	1526.0	1540.0	1593.4	1698.6	1853.9	2037.2	2213.1	2342.1	2385.6	2354.4
17.5°	1401.1	1413.5	1453.7	1538.4	1700.3	1928.7	2207.3	2424.2	2523.7	2499.0
20°	1363.3	1374.0	1392.9	1452.1	1586.9	1816.1	2169.5	2501.5	2672.4	2658.5
22.5°	1403.6	1413.5	1419.2	1445.5	1530.2	1742.2	2121.8	2580.4	2845.0	2846.6
25°	1496.5	1506.3	1499.7	1516.2	1553.2	1719.2	2103.8	2673.2	3061.9	3080.0
27.5°	1649.3	1650.1	1634.5	1633.7	1639.4	1753.7	2122.7	2772.7	3335.6	3369.3
30°	1955.8	1943.5	1883.5	1818.6	1789.0	1857.2	2175.2	2890.2	3658.6	3718.6
32.5°	2428.4	2410.3	2300.2	2144.8	1988.7	2024.0	2269.8	3024.1	4010.3	4118.8
35°	2941.1	2936.2	2821.2	2590.2	2317.4	2261.5	2423.4	3200.0	4394.1	4566.6
37.5°	3417.8	3415.3	3349.6	3077.6	2745.6	2592.7	2670.0	3430.1	4804.9	5054.8
40°	3853.3	3860.7	3795.0	3551.7	3217.3	3017.6	3005.2	3714.4	5261.9	5586.5
42.5°	4229.7	4237.9	4171.4	3991.4	3683.2	3487.6	3417.0	4062.9	5708.1	6157.6
45°	4485.3	4536.2	4526.4	4382.5	4161.5	3958.5	3911.7	4500.1	6216.8	6763.2
47.5°	4557.6	4604.4	4678.4	4698.1	4563.3	4363.6	4419.5	5026.8	6731.2	7369.7
50°	4379.3	4422.8	4576.5	4781.1	4874.8	4813.2	4913.4	5591.4	7258.0	7974.5
52.5°	4027.5	4071.9	4265.9	4589.6	4971.8	5165.7	5408.9	6147.7	7768.3	8547.3
55°	3518.9	3565.7	3814.7	4181.2	4786.9	5311.2	5822.3	6703.3	8235.9	9062.6
57.5°	2826.9	2861.4	3120.3	3633.1	4321.7	5166.5	6127.2	7309.7	8676.3	9568.8
60°	1842.4	1872.8	2173.6	2745.6	3550.9	4683.3	6188.0	7986.0	9261.4	10227.0
62.5°	1225.3	1245.8	1424.1	1844.1	2500.7	3755.5	5832.2	8526.0	10119.4	11372.6
65°	840.7	861.2	1039.6	1332.1	1615.6	2484.2	4809.1	8454.5	10896.8	12282.3
67.5°	599.9	617.2	768.4	1044.5	1169.4	1443.0	3260.0	7540.6	10785.0	12316.8
70°	429.8	439.7	564.6	813.6	929.4	867.0	1812.8	5767.2	9443.1	11373.4
72.5°	300.8	304.1	392.0	619.6	748.6	632.8	862.9	3845.1	7142.1	8927.0
75°	203.8	207.9	263.8	454.4	600.7	483.2	456.9	2061.8	4192.7	4941.4
77.5°	124.9	126.6	170.1	310.6	449.5	368.2	294.2	873.6	1622.2	1592.6
80°	70.7	70.7	108.5	193.1	306.5	237.5	206.3	371.4	513.6	451.2
82.5°	39.4	40.3	78.9	120.0	203.0	140.5	113.4	171.8	221.9	196.4
85°	16.4	18.1	48.5	56.7	97.0	69.9	46.0	72.3	82.2	73.1
87.5°	1.6	2.5	14.8	10.7	11.5	14.0	6.6	14.0	11.5	11.5
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°
1890.9	0°	1890.9	1890.9	1890.9	1890.9	1890.9	1890.9	1890.9	1890.9	1890.9	1890.9
1918.9	2.5°	1903.2	1890.9	1859.7	1823.5	1775.9	1752.9	1721.6	1700.3	1682.2	1683.8
1966.5	5°	1940.2	1909.0	1839.1	1752.0	1643.6	1566.3	1484.1	1427.4	1381.4	1371.5
2032.3	7.5°	1991.2	1941.9	1819.4	1662.5	1479.2	1340.3	1216.2	1136.5	1079.8	1061.7
2112.0	10°	2056.9	1985.4	1793.9	1549.9	1286.1	1109.4	976.3	913.8	875.2	862.0
2205.7	12.5°	2133.3	2035.5	1760.3	1412.6	1087.2	917.1	832.5	801.2	788.9	784.8
2320.7	15°	2229.5	2098.0	1709.3	1249.9	918.7	799.6	763.4	759.3	761.0	759.3
2458.8	17.5°	2343.7	2166.2	1626.3	1082.3	805.3	739.6	726.5	729.7	733.8	733.0
2613.3	20°	2468.6	2233.6	1520.3	933.5	728.1	696.9	689.5	692.8	696.0	694.4
2791.6	22.5°	2610.8	2305.9	1402.8	817.7	676.3	657.4	649.2	650.0	650.0	646.7
3017.6	25°	2780.9	2385.6	1279.5	735.5	636.9	622.1	612.2	608.9	604.0	594.1
3292.0	27.5°	2983.9	2470.3	1161.2	678.0	605.7	591.7	580.2	572.0	559.6	543.2
3621.6	30°	3212.3	2573.0	1060.9	641.8	581.0	567.0	553.9	541.6	523.5	502.9
4000.4	32.5°	3481.1	2683.1	987.8	618.0	558.8	544.0	528.4	513.6	493.9	473.3
4426.1	35°	3801.5	2816.2	945.0	601.5	541.6	521.8	504.6	488.1	473.3	455.3
4888.8	37.5°	4149.2	2957.6	931.9	593.3	530.0	499.6	479.9	468.4	466.8	456.1
5389.2	40°	4529.6	3125.2	941.8	588.4	517.7	478.3	456.9	454.4	458.6	439.7
5924.2	42.5°	4932.3	3324.1	958.2	582.6	500.5	456.9	436.4	436.4	433.1	406.8
6489.6	45°	5367.9	3553.4	974.6	568.7	479.9	435.5	419.9	414.2	400.2	374.7
7058.3	47.5°	5806.7	3786.8	987.0	543.2	455.3	417.5	403.5	390.3	369.8	346.8
7616.2	50°	6223.3	3996.3	973.8	505.4	427.3	400.2	385.4	367.3	345.1	329.5
8144.7	52.5°	6595.6	4177.9	917.9	461.0	397.7	382.1	369.0	350.1	332.0	315.6
8621.3	55°	6919.4	4325.0	819.3	419.1	371.4	366.5	353.4	329.5	304.9	290.9
9093.8	57.5°	7230.0	4436.8	696.0	384.6	347.6	349.3	329.5	308.2	285.2	270.4
9730.7	60°	7643.4	4586.3	571.1	352.5	322.1	327.1	305.7	290.1	261.3	242.4
10822.8	62.5°	8304.1	4818.9	453.6	313.1	292.6	294.2	285.2	266.3	231.7	209.6
11632.3	65°	8828.4	4733.4	357.5	270.4	258.9	261.3	261.3	240.8	203.8	178.3
11675.8	67.5°	8769.2	4053.0	285.2	228.5	226.8	228.5	234.2	216.9	180.8	160.2
10786.7	70°	8078.1	3223.8	228.5	189.8	197.2	193.1	209.6	198.0	162.7	142.2
8362.4	72.5°	6591.5	2322.3	174.2	157.0	151.2	157.8	189.0	178.3	135.6	112.6
4429.4	75°	3851.7	1239.2	129.8	124.1	109.3	131.5	167.6	152.0	103.5	83.0
1357.6	77.5°	1254.0	432.3	95.3	91.2	81.4	106.0	143.0	128.2	84.6	65.7
397.7	80°	336.1	130.7	64.9	60.0	52.6	78.9	113.4	101.9	60.8	42.7
170.9	82.5°	134.8	55.1	37.8	33.7	28.8	54.2	89.6	82.2	45.2	27.1
53.4	85°	43.6	18.1	14.0	10.7	13.1	33.7	53.4	55.9	32.0	14.0
8.2	87.5°	5.8	2.5	2.5	3.3	2.5	5.8	16.4	15.6	9.0	1.6
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>
1890.9
1667.4
1349.4
1043.7
852.2
782.3
758.5
731.4
693.6
645.1
592.5
541.6
501.3
474.2
453.6
455.3
440.5
406.8
373.9
346.0
327.1
313.9
289.3
268.7
240.0
207.9
175.9
157.0
139.7
110.1
80.5
63.3
41.9
27.1
10.7
0.0
0.0

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