

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: P947986

Luminaire Tested: **GALN-SB3A-935-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-935-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9306 lumens
Efficiency: N/A
Efficacy: 109.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

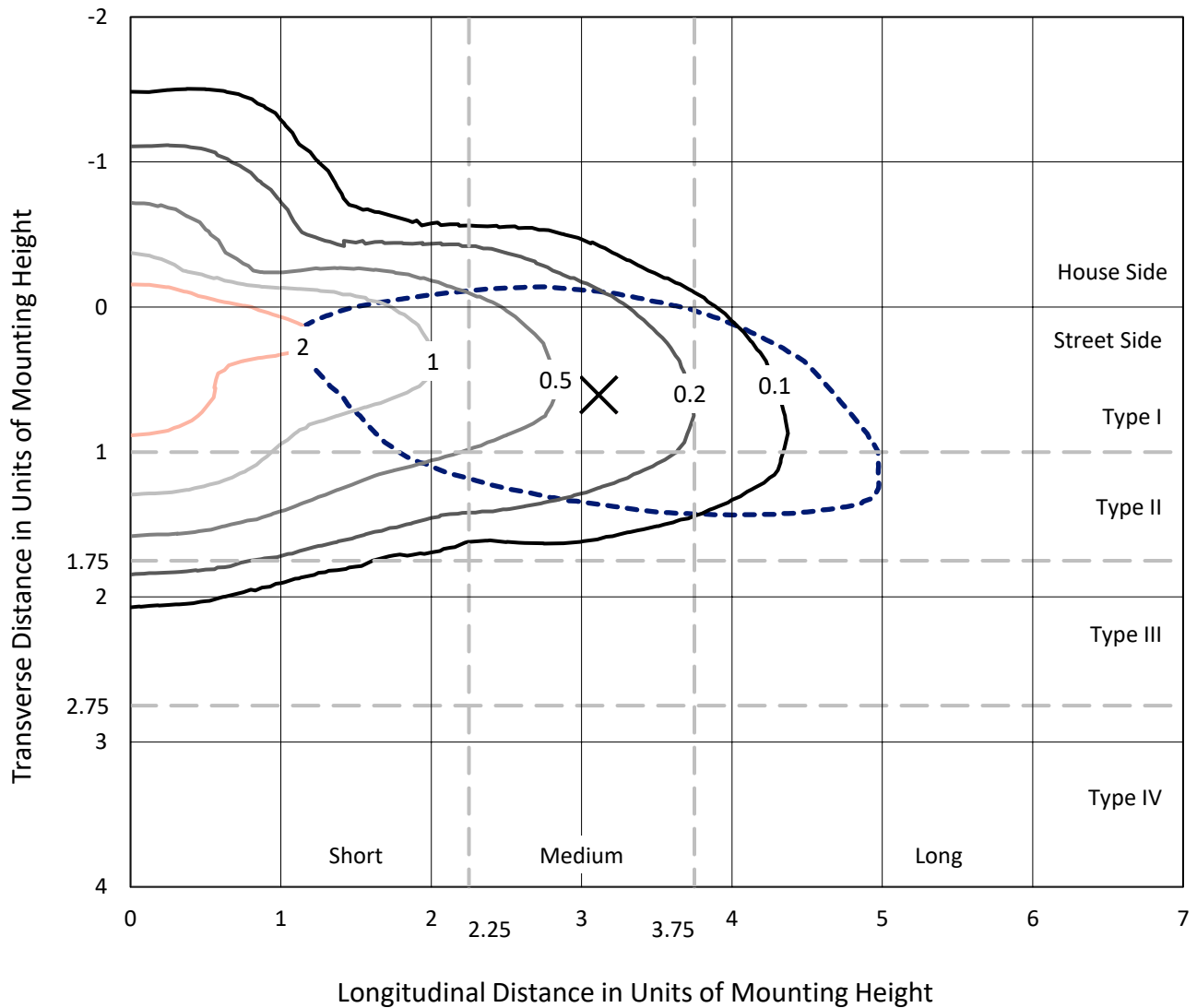
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947986
 CATALOG NUMBER: GALN-SB3A-935-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

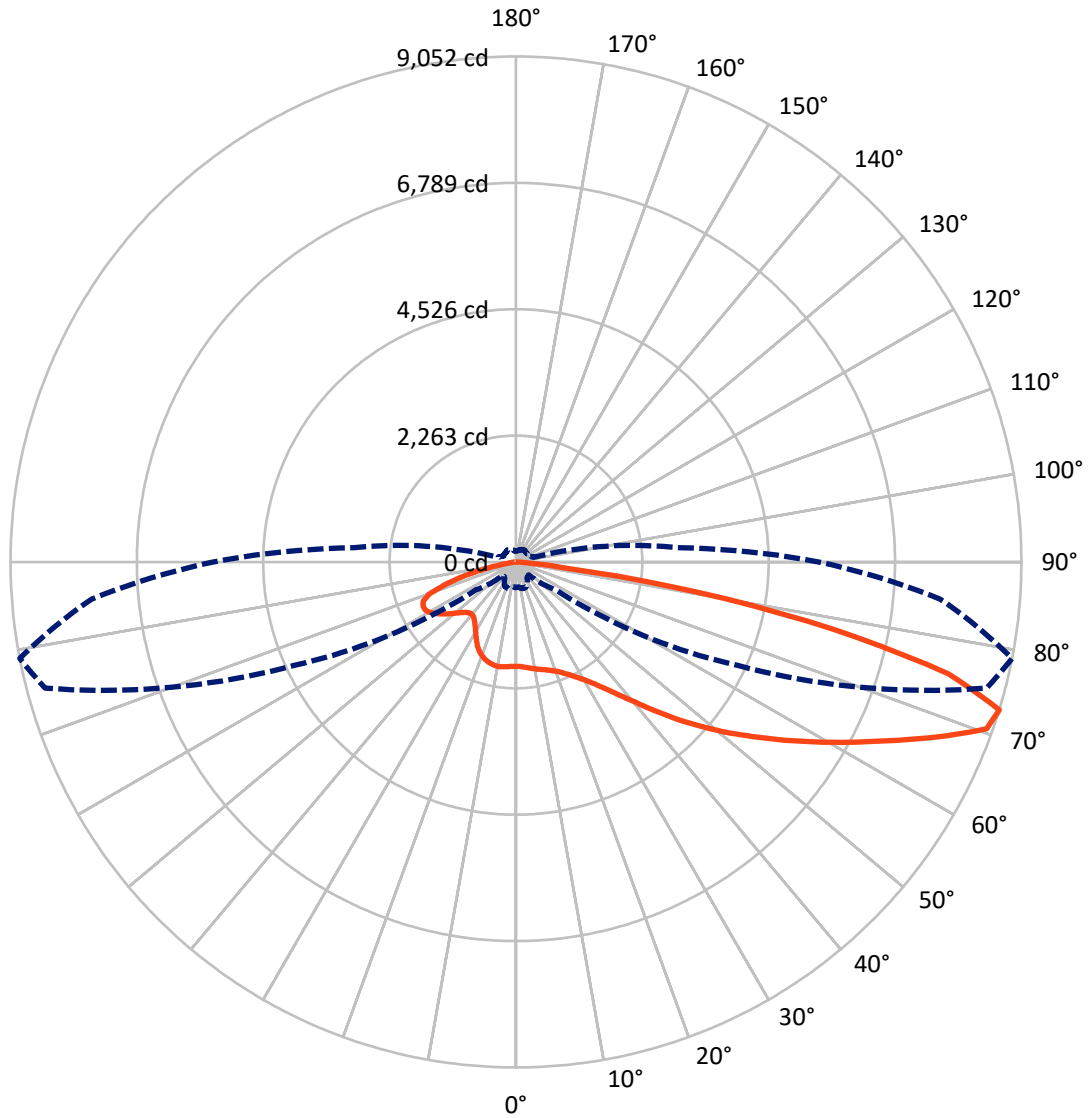
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Medium - N/A

REPORT NUMBER: P947986
CATALOG NUMBER: GALN-SB3A-935-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2047.8	0.0	2047.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	7258.2	0.0	7258.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	9306.0	0.0	9306.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.6	1.8
10°-20°	443.3	4.8
20°-30°	715.4	7.7
30°-40°	1073.7	11.5
40°-50°	1523.1	16.4
50°-60°	1923.4	20.7
60°-70°	1953.5	21.0
70°-80°	1331.4	14.3
80°-90°	172.7	1.9
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°	9306.0	100.0
0°-180°	9306.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947986

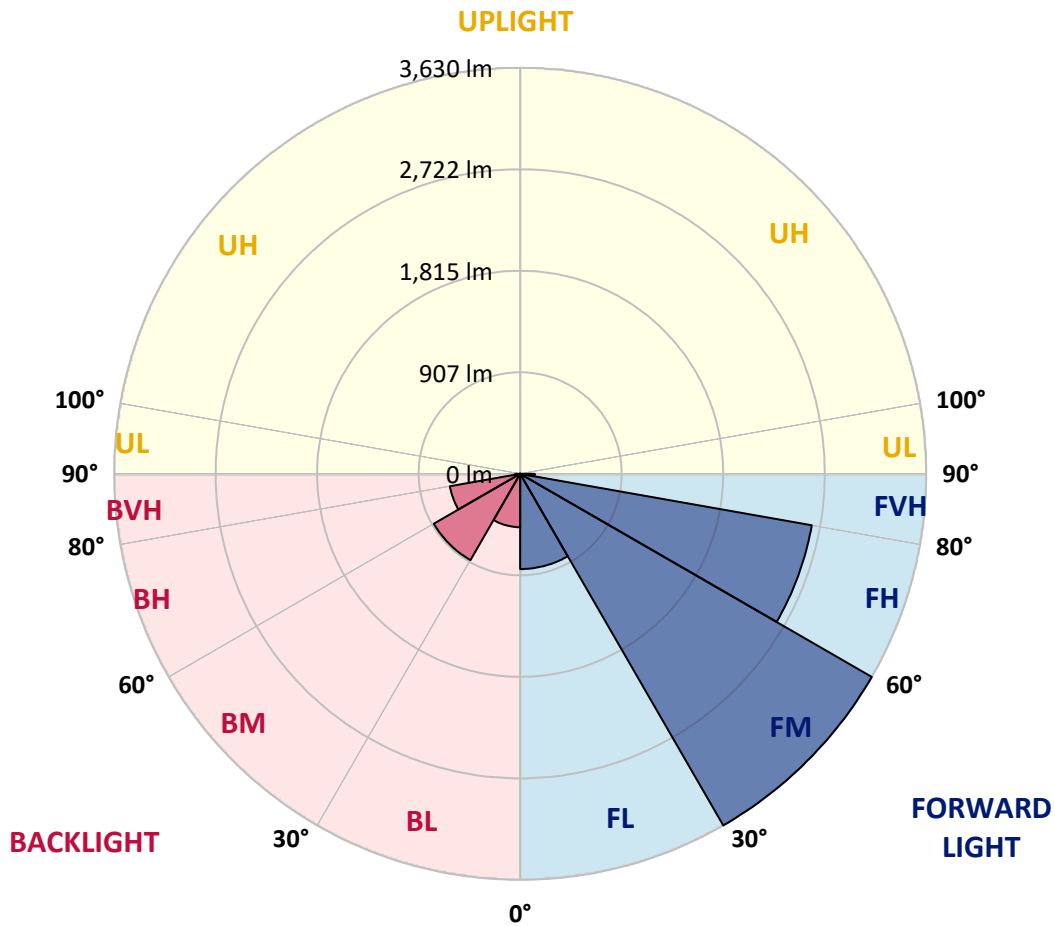
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	851.3	9.1			
FM (30°-60°)	3629.5	39.0			
FH (60°-80°)	2647.2	28.4			G2/5000
FVH (80°-90°)	130.1	1.4			G2/225
BL (0°-30°)	477.0	5.1	B1/500		
BM (30°-60°)	890.6	9.6	B1/1000		
BH (60°-80°)	637.6	6.9	B2/1000		G2/1000
BVH (80°-90°)	42.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



REPORT NUMBER: P947986

CATALOG NUMBER: GALN-SB3A-935-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1
2.5°	1869.1	1860.2	1865.6	1863.7	1866.1	1869.1	1870.1	1871.5	1876.5	1876.0
5°	1865.1	1856.3	1863.7	1861.2	1867.6	1874.5	1880.4	1885.8	1893.7	1897.1
7.5°	1856.8	1850.9	1858.2	1865.6	1877.4	1887.8	1896.1	1908.5	1919.8	1921.7
10°	1808.0	1803.6	1820.8	1840.0	1872.5	1900.6	1918.8	1933.1	1945.4	1947.3
12.5°	1757.3	1751.9	1771.1	1797.2	1849.9	1900.6	1939.0	1957.7	1968.5	1974.9
15°	1749.0	1744.5	1755.4	1778.0	1821.8	1887.3	1952.8	1987.2	1996.6	2004.0
17.5°	1789.3	1781.0	1785.4	1793.3	1818.9	1875.0	1963.6	2020.7	2035.0	2042.8
20°	1882.9	1871.0	1864.2	1848.4	1844.0	1877.0	1962.6	2061.1	2079.8	2089.6
22.5°	2007.4	1999.5	1984.8	1944.9	1901.6	1901.1	1981.3	2112.7	2147.7	2157.0
25°	2158.0	2146.2	2127.5	2073.4	1990.2	1948.8	2012.8	2178.7	2237.3	2239.7
27.5°	2331.3	2313.6	2288.0	2216.6	2104.4	2023.6	2061.1	2254.5	2340.2	2339.2
30°	2513.9	2496.2	2469.1	2382.5	2241.2	2124.6	2128.0	2336.2	2462.2	2456.8
32.5°	2647.3	2634.0	2628.6	2561.7	2398.7	2243.7	2204.8	2426.8	2612.9	2607.9
35°	2749.7	2732.5	2738.9	2704.9	2570.5	2377.1	2298.8	2534.6	2796.0	2795.5
37.5°	2851.1	2835.9	2841.3	2818.6	2729.5	2546.4	2413.5	2666.5	3022.9	3033.7
40°	2943.7	2927.4	2949.1	2927.9	2853.1	2726.6	2544.0	2815.7	3285.8	3306.4
42.5°	2999.3	2986.5	3022.4	3022.9	2960.4	2878.7	2687.2	2980.1	3590.0	3636.3
45°	3018.5	3014.1	3068.2	3079.5	3055.4	2966.8	2816.2	3159.3	3917.8	4000.5
47.5°	2997.8	2989.4	3064.3	3106.1	3125.3	3008.1	2923.0	3353.2	4252.6	4373.6
50°	2893.4	2877.2	2988.5	3076.6	3145.0	3035.2	3030.8	3577.2	4633.1	4765.5
52.5°	2705.9	2693.6	2820.1	2973.2	3101.7	3048.5	3151.9	3821.8	4994.4	5165.7
55°	2466.2	2449.9	2589.2	2789.1	2993.9	3044.1	3273.0	4095.5	5420.7	5594.4
57.5°	2086.2	2053.7	2229.9	2466.2	2818.1	3038.7	3399.0	4367.7	5853.8	6062.1
60°	1531.9	1483.6	1699.7	1979.8	2474.5	2986.0	3555.0	4672.9	6373.7	6561.2
62.5°	892.0	863.9	1005.2	1266.6	1865.1	2675.9	3642.7	5027.8	6884.6	7081.5
65°	692.6	684.7	697.0	717.2	1038.2	2003.5	3372.4	5373.9	7534.4	7672.2
67.5°	633.5	627.6	633.0	595.1	526.7	1115.9	2668.0	5461.5	8230.4	8314.1
70°	563.1	556.2	574.0	541.5	414.5	507.5	1723.9	5143.5	8784.2	8941.2
72.5°	458.8	450.9	492.3	477.5	349.0	325.9	865.9	4387.9	8726.1	9052.0
75°	352.5	348.0	397.2	409.6	284.5	256.5	415.5	3261.7	7679.1	8007.4
77.5°	273.7	270.2	295.4	340.1	229.4	198.9	255.5	2068.9	5786.9	5844.5
80°	205.3	195.4	218.6	263.4	178.7	145.2	173.3	1206.5	3657.9	3315.8
82.5°	128.5	123.6	142.8	175.7	126.0	99.9	112.7	666.5	1465.9	863.4
85°	73.3	71.4	77.8	100.4	68.4	57.6	64.5	294.4	267.8	184.1
87.5°	29.5	28.6	35.4	44.8	25.1	21.2	22.6	70.9	59.1	54.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947986
 CATALOG NUMBER: GALN-SB3A-935-U-SL2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1868.1	0°	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1
1875.5	2.5°	1873.5	1873.5	1866.6	1855.8	1843.5	1835.6	1822.8	1819.4	1806.1	1802.1
1892.2	5°	1896.1	1892.2	1871.0	1840.5	1798.7	1760.3	1718.0	1691.4	1654.0	1640.7
1925.2	7.5°	1924.7	1913.9	1877.4	1810.5	1722.9	1636.7	1547.1	1479.2	1414.2	1391.1
1952.3	10°	1950.8	1935.5	1873.5	1756.4	1604.7	1455.6	1312.8	1212.9	1137.1	1106.1
1982.3	12.5°	1976.9	1948.8	1847.4	1666.3	1436.9	1234.6	1082.5	1004.7	957.9	920.5
2006.9	15°	2001.5	1962.1	1807.1	1545.7	1252.8	1047.5	935.3	873.3	835.8	811.2
2042.8	17.5°	2030.0	1973.4	1746.5	1392.6	1077.5	918.0	826.5	789.1	781.7	778.7
2092.1	20°	2069.9	1983.8	1666.8	1221.3	948.6	814.7	767.4	764.0	763.5	762.0
2151.1	22.5°	2112.7	1996.1	1561.4	1065.7	838.8	750.2	741.8	734.9	730.5	730.0
2222.5	25°	2163.4	2000.0	1429.5	938.2	745.3	719.7	709.8	699.5	696.5	696.5
2303.7	27.5°	2212.7	1986.7	1275.9	827.5	692.6	691.6	678.8	675.4	674.9	676.4
2396.3	30°	2261.9	1961.6	1123.3	725.1	662.1	662.1	657.6	660.1	662.1	667.0
2523.3	32.5°	2328.3	1935.0	995.8	649.3	635.5	630.6	635.0	639.9	641.9	648.3
2690.1	35°	2425.8	1916.3	894.4	607.9	607.9	601.5	604.0	603.0	598.6	595.6
2892.0	37.5°	2554.8	1915.3	810.7	588.7	584.8	583.8	584.3	577.9	560.7	540.0
3136.1	40°	2709.8	1941.9	746.3	575.4	572.5	578.4	575.4	558.2	511.0	475.0
3436.4	42.5°	2918.1	2017.7	704.9	559.2	568.1	575.4	563.6	504.1	472.1	447.9
3778.5	45°	3163.2	2140.8	683.7	542.0	559.7	568.5	511.4	485.4	459.8	430.7
4151.6	47.5°	3440.8	2295.9	678.8	525.7	541.0	546.4	489.3	477.5	448.4	416.9
4526.7	50°	3743.1	2479.5	692.1	506.5	513.9	495.2	481.9	471.1	441.1	410.0
4911.2	52.5°	4055.7	2681.8	718.7	480.4	486.8	466.2	479.0	469.6	436.6	394.8
5308.4	55°	4362.8	2885.6	744.3	449.9	459.3	440.1	470.6	463.7	416.4	369.2
5732.3	57.5°	4674.9	3088.4	769.4	422.8	432.7	415.0	457.3	447.9	393.8	345.6
6195.0	60°	4999.3	3285.3	781.2	396.8	403.6	391.8	437.1	420.9	368.2	321.4
6649.8	62.5°	5303.0	3449.2	762.0	370.7	375.1	370.2	410.5	388.9	342.6	294.4
7123.9	65°	5607.7	3546.7	702.9	345.1	346.1	343.6	373.1	354.4	312.6	270.7
7538.8	67.5°	5883.9	3601.3	608.9	317.5	315.0	314.1	338.2	317.0	283.5	247.1
7854.4	70°	5942.4	3462.5	465.2	285.0	285.0	282.6	299.8	278.1	251.5	222.0
7628.4	72.5°	5427.6	2912.6	330.3	248.1	252.0	247.1	261.4	243.2	219.1	199.4
6574.5	75°	4376.6	2135.9	240.2	210.2	217.1	208.7	222.0	209.2	188.5	188.0
4530.7	77.5°	3007.2	1320.7	174.3	173.3	178.2	167.4	182.6	175.7	157.0	148.7
1972.0	80°	1283.3	526.7	127.0	133.9	133.9	124.0	141.8	143.7	127.5	123.6
380.5	82.5°	255.5	149.6	89.1	92.1	86.6	83.7	100.4	111.2	153.6	170.8
114.7	85°	76.8	55.1	53.7	50.2	44.3	44.8	59.1	111.7	137.8	78.8
37.9	87.5°	21.2	13.8	14.3	11.3	9.4	12.3	20.2	84.7	46.3	19.7
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>
1868.1
1808.5
1650.5
1394.1
1113.0
932.8
815.7
780.7
766.9
735.4
699.5
680.3
670.4
653.7
602.5
540.5
474.0
447.0
428.8
414.5
406.6
391.8
366.7
344.6
320.0
293.9
267.8
244.2
221.0
193.5
169.3
139.3
123.6
171.3
67.9
16.7
0.0

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