

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: P948007

Luminaire Tested: **GALN-SB3A-940-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948007
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-940-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 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: 9694 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

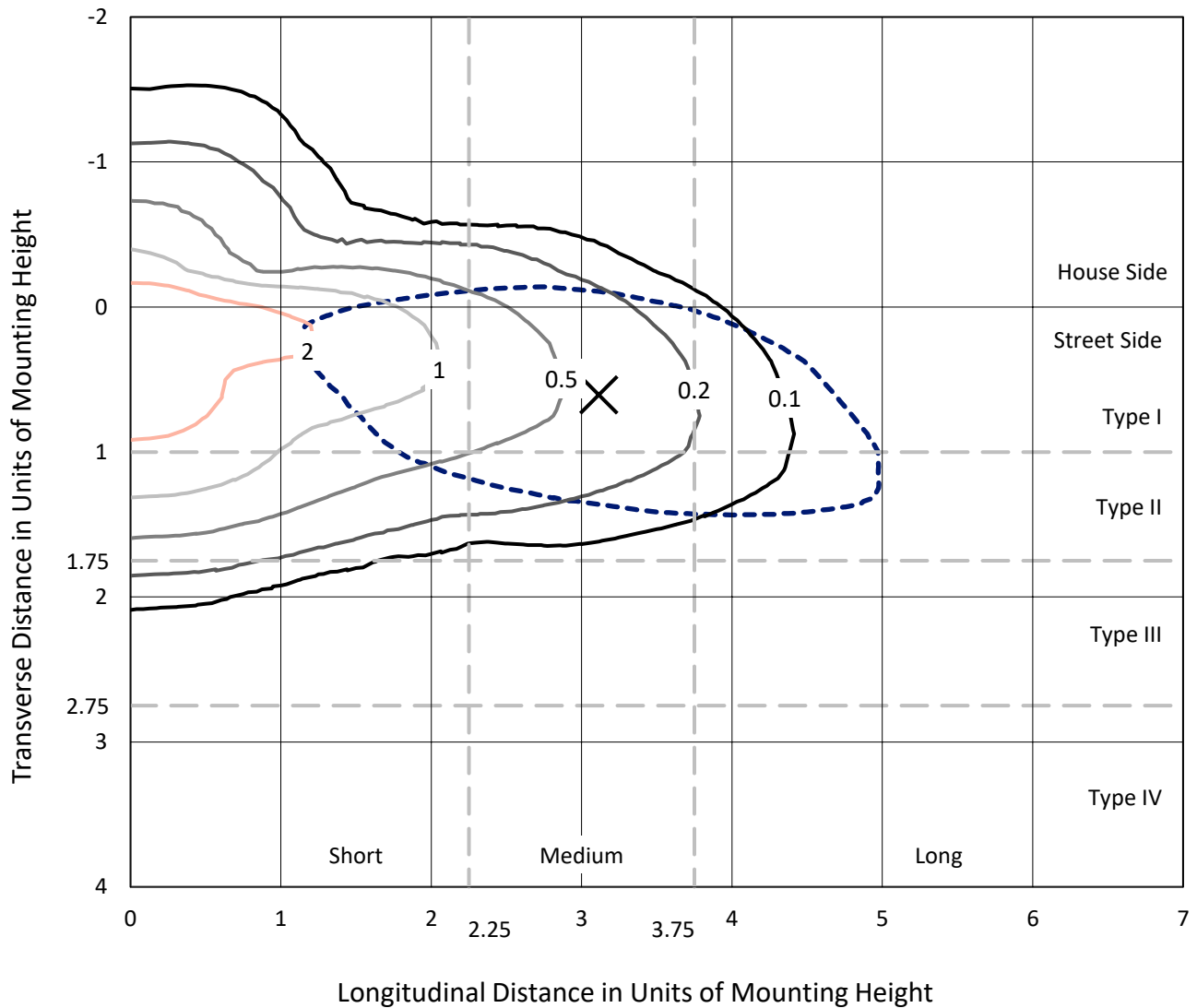
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

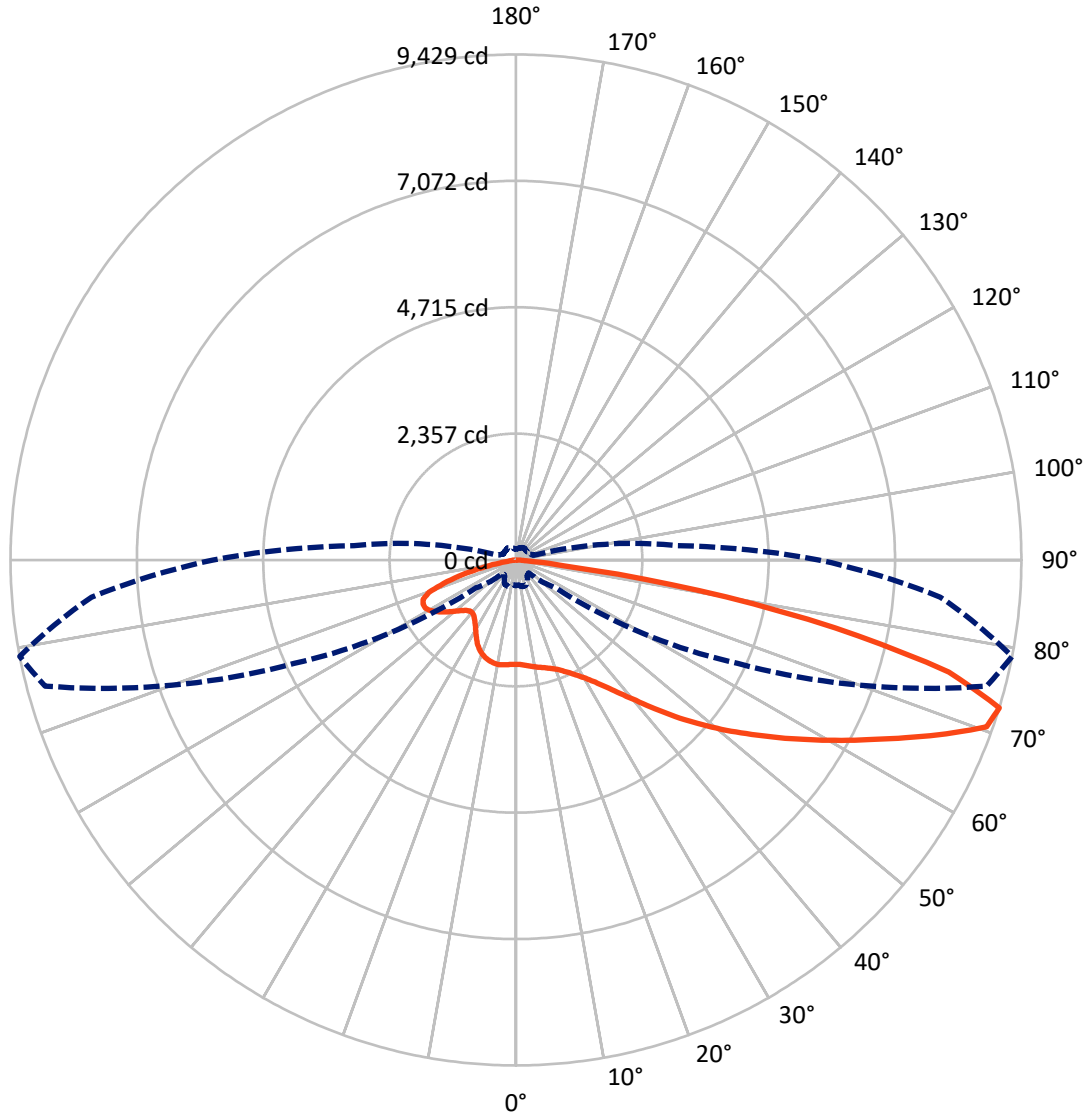
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Medium - N/A

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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	2133.2	0.0	2133.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	7560.8	0.0	7560.8
	% Fixture	78.0	0.0	78.0
Total	Lumens	9694.0	0.0	9694.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.6	1.8
10°-20°	461.8	4.8
20°-30°	745.2	7.7
30°-40°	1118.4	11.5
40°-50°	1586.6	16.4
50°-60°	2003.6	20.7
60°-70°	2034.9	21.0
70°-80°	1386.9	14.3
80°-90°	179.9	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°	9694.0	100.0
0°-180°	9694.0	100.0

Coefficient of Utilization



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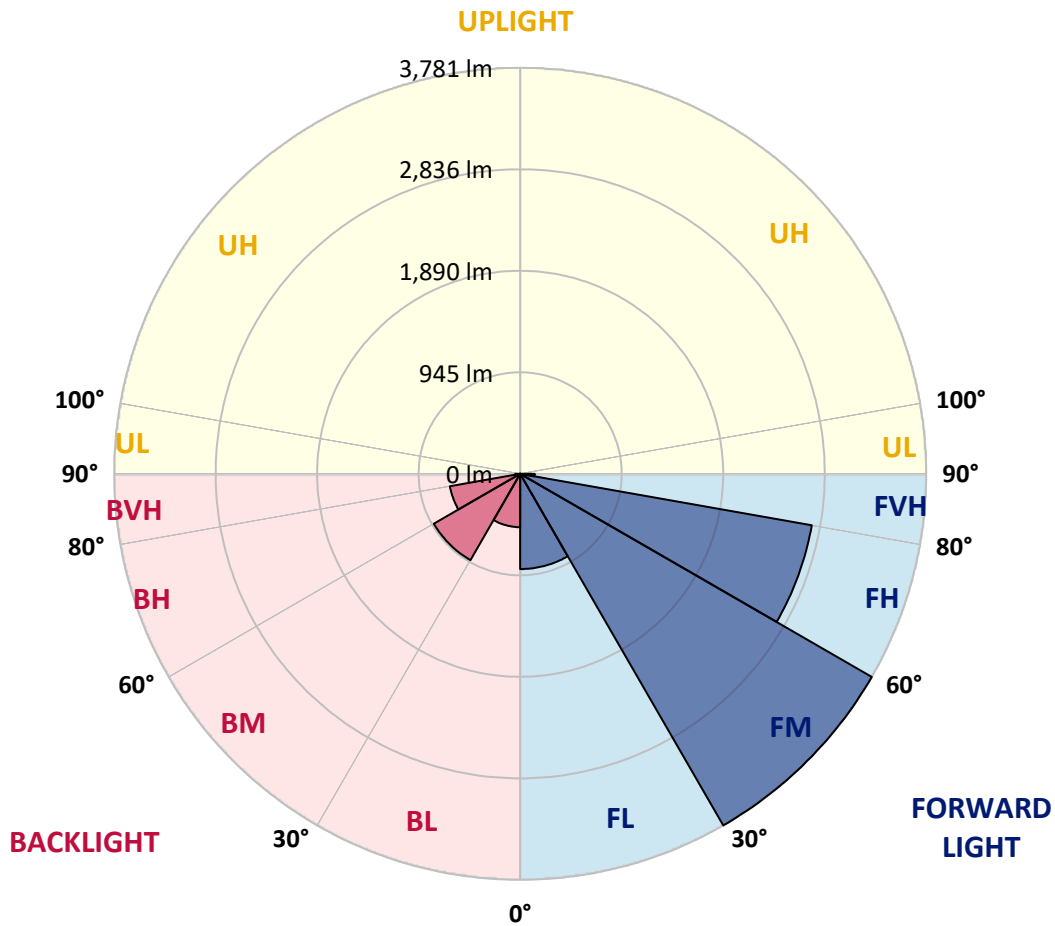
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	886.8	9.1			
FM (30°-60°)	3780.9	39.0			
FH (60°-80°)	2757.6	28.4			G2/5000
FVH (80°-90°)	135.5	1.4			G2/225
BL (0°-30°)	496.9	5.1	B1/500		
BM (30°-60°)	927.7	9.6	B1/1000		
BH (60°-80°)	664.2	6.9	B2/1000		G2/1000
BVH (80°-90°)	44.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0
2.5°	1947.0	1937.8	1943.4	1941.4	1943.9	1947.0	1948.0	1949.6	1954.7	1954.2
5°	1942.9	1933.7	1941.4	1938.8	1945.5	1952.6	1958.8	1964.4	1972.6	1976.2
7.5°	1934.2	1928.0	1935.7	1943.4	1955.7	1966.5	1975.2	1988.0	1999.8	2001.9
10°	1883.4	1878.8	1896.8	1916.8	1950.6	1979.8	1998.8	2013.7	2026.5	2028.5
12.5°	1830.6	1825.0	1845.0	1872.1	1927.0	1979.8	2019.8	2039.3	2050.6	2057.3
15°	1821.9	1817.3	1828.6	1852.1	1897.8	1966.0	2034.2	2070.1	2079.8	2087.5
17.5°	1863.9	1855.2	1859.8	1868.0	1894.7	1953.2	2045.5	2104.9	2119.8	2128.0
20°	1961.4	1949.1	1941.9	1925.5	1920.9	1955.2	2044.4	2147.0	2166.5	2176.7
22.5°	2091.1	2082.9	2067.5	2026.0	1980.8	1980.3	2063.9	2200.8	2237.2	2247.0
25°	2248.0	2235.7	2216.2	2159.8	2073.1	2030.1	2096.7	2269.5	2330.6	2333.1
27.5°	2428.5	2410.0	2383.4	2309.0	2192.1	2108.0	2147.0	2348.5	2437.7	2436.7
30°	2618.7	2600.3	2572.1	2481.8	2334.7	2213.1	2216.7	2433.6	2564.9	2559.3
32.5°	2757.7	2743.9	2738.2	2668.5	2498.7	2337.2	2296.7	2528.0	2721.8	2716.7
35°	2864.4	2846.4	2853.1	2817.7	2677.7	2476.2	2394.7	2640.3	2912.6	2912.0
37.5°	2970.0	2954.1	2959.7	2936.1	2843.3	2652.6	2514.1	2777.7	3148.9	3160.2
40°	3066.4	3049.5	3072.0	3050.0	2972.0	2840.3	2650.0	2933.1	3422.8	3444.3
42.5°	3124.3	3111.0	3148.4	3148.9	3083.8	2998.7	2799.2	3104.3	3739.7	3787.9
45°	3144.3	3139.7	3196.1	3207.9	3182.8	3090.5	2933.6	3291.0	4081.2	4167.3
47.5°	3122.8	3114.1	3192.0	3235.6	3255.6	3133.6	3044.9	3493.0	4429.9	4556.0
50°	3014.1	2997.2	3113.1	3204.8	3276.1	3161.8	3157.2	3726.3	4826.2	4964.2
52.5°	2818.7	2805.9	2937.7	3097.2	3231.0	3175.6	3283.3	3981.2	5202.6	5381.1
55°	2569.0	2552.1	2697.2	2905.4	3118.7	3171.0	3409.4	4266.3	5646.7	5827.7
57.5°	2173.1	2139.3	2322.9	2569.0	2935.6	3165.4	3540.7	4549.8	6097.9	6314.8
60°	1595.8	1545.5	1770.6	2062.4	2577.7	3110.5	3703.3	4867.8	6639.4	6834.8
62.5°	929.1	899.9	1047.1	1319.4	1942.9	2787.4	3794.5	5237.5	7171.7	7376.8
65°	721.5	713.3	726.1	747.1	1081.4	2087.0	3513.0	5598.0	7848.5	7992.1
67.5°	659.9	653.8	659.4	619.9	548.7	1162.5	2779.2	5689.2	8573.6	8660.8
70°	586.6	579.4	597.9	564.1	431.8	528.7	1795.7	5358.0	9150.5	9314.0
72.5°	477.9	469.7	512.8	497.4	363.6	339.5	902.0	4570.9	9089.9	9429.4
75°	367.1	362.5	413.8	426.6	296.4	267.2	432.8	3397.6	7999.3	8341.3
77.5°	285.1	281.5	307.7	354.3	239.0	207.2	266.1	2155.2	6028.2	6088.2
80°	213.8	203.6	227.7	274.3	186.1	151.3	180.5	1256.8	3810.4	3454.0
82.5°	133.8	128.7	148.7	183.1	131.3	104.1	117.4	694.3	1527.0	899.4
85°	76.4	74.4	81.0	104.6	71.3	60.0	67.2	306.6	278.9	191.8
87.5°	30.8	29.7	36.9	46.7	26.2	22.0	23.6	73.8	61.5	56.9
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°
1946.0	0°	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0	1946.0
1953.7	2.5°	1951.6	1951.6	1944.4	1933.2	1920.3	1912.1	1898.8	1895.2	1881.4	1877.3
1971.1	5°	1975.2	1971.1	1949.1	1917.3	1873.7	1833.7	1789.6	1761.9	1722.9	1709.1
2005.5	7.5°	2004.9	1993.7	1955.7	1886.0	1794.7	1705.0	1611.6	1540.9	1473.2	1449.1
2033.7	10°	2032.1	2016.2	1951.6	1829.6	1671.6	1516.3	1367.6	1263.5	1184.5	1152.2
2064.9	12.5°	2059.3	2030.1	1924.4	1735.7	1496.8	1286.0	1127.6	1046.6	997.9	958.9
2090.6	15°	2084.9	2043.9	1882.4	1610.1	1305.0	1091.2	974.3	909.7	870.7	845.1
2128.0	17.5°	2114.7	2055.7	1819.3	1450.6	1122.5	956.3	860.9	822.0	814.3	811.2
2179.3	20°	2156.2	2066.5	1736.3	1272.2	988.1	848.6	799.4	795.8	795.3	793.8
2240.8	22.5°	2200.8	2079.3	1626.5	1110.2	873.8	781.5	772.8	765.6	761.0	760.4
2315.2	25°	2253.6	2083.4	1489.1	977.3	776.3	749.7	739.4	728.7	725.6	725.6
2399.8	27.5°	2304.9	2069.6	1329.1	862.0	721.5	720.4	707.1	703.5	703.0	704.6
2496.2	30°	2356.2	2043.4	1170.2	755.3	689.7	689.7	685.1	687.6	689.7	694.8
2628.5	32.5°	2425.4	2015.7	1037.3	676.3	662.0	656.9	661.5	666.6	668.7	675.3
2802.3	35°	2527.0	1996.2	931.7	633.3	633.3	626.6	629.2	628.1	623.5	620.5
3012.5	37.5°	2661.3	1995.2	844.5	613.3	609.2	608.2	608.7	602.0	584.0	562.5
3266.9	40°	2822.8	2022.9	777.4	599.4	596.4	602.5	599.4	581.5	532.3	494.8
3579.7	42.5°	3039.7	2101.9	734.3	582.5	591.7	599.4	587.1	525.1	491.8	466.6
3936.1	45°	3295.1	2230.1	712.2	564.6	583.0	592.3	532.8	505.6	478.9	448.7
4324.7	47.5°	3584.3	2391.6	707.1	547.6	563.5	569.2	509.7	497.4	467.1	434.3
4715.5	50°	3899.1	2582.8	721.0	527.6	535.3	515.9	502.0	490.7	459.4	427.1
5115.9	52.5°	4224.7	2793.6	748.7	500.5	507.1	485.6	498.9	489.2	454.8	411.2
5529.8	55°	4544.7	3005.9	775.3	468.7	478.4	458.4	490.2	483.0	433.8	384.6
5971.3	57.5°	4869.8	3217.1	801.5	440.5	450.7	432.3	476.4	466.6	410.2	360.0
6453.3	60°	5207.7	3422.3	813.8	413.3	420.5	408.2	455.3	438.4	383.6	334.8
6927.1	62.5°	5524.1	3593.0	793.8	386.1	390.7	385.6	427.7	405.1	356.9	306.6
7420.9	65°	5841.5	3694.5	732.2	359.5	360.5	357.9	388.7	369.2	325.6	282.0
7853.1	67.5°	6129.2	3751.5	634.3	330.7	328.2	327.1	352.3	330.2	295.4	257.4
8181.8	70°	6190.2	3606.9	484.6	296.9	296.9	294.3	312.3	289.7	262.0	231.3
7946.5	72.5°	5653.8	3034.1	344.1	258.4	262.5	257.4	272.3	253.3	228.2	207.7
6848.6	75°	4559.1	2224.9	250.2	219.0	226.1	217.4	231.3	217.9	196.4	195.9
4719.6	77.5°	3132.5	1375.8	181.5	180.5	185.6	174.3	190.2	183.1	163.6	154.9
2054.2	80°	1336.8	548.7	132.3	139.5	139.5	129.2	147.7	149.7	132.8	128.7
396.4	82.5°	266.1	155.9	92.8	95.9	90.2	87.2	104.6	115.9	160.0	177.9
119.5	85°	80.0	57.4	55.9	52.3	46.1	46.7	61.5	116.4	143.6	82.0
39.5	87.5°	22.0	14.4	14.9	11.8	9.7	12.8	21.0	88.2	48.2	20.5
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>
1946.0
1883.9
1719.3
1452.2
1159.4
971.7
849.7
813.3
798.9
766.1
728.7
708.7
698.4
681.0
627.6
563.0
493.8
465.6
446.6
431.8
423.6
408.2
382.0
358.9
333.3
306.1
278.9
254.3
230.2
201.5
176.4
145.1
128.7
178.4
70.8
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