

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: P952326

Luminaire Tested: **GALN-SB6A-950-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-950-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18886 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

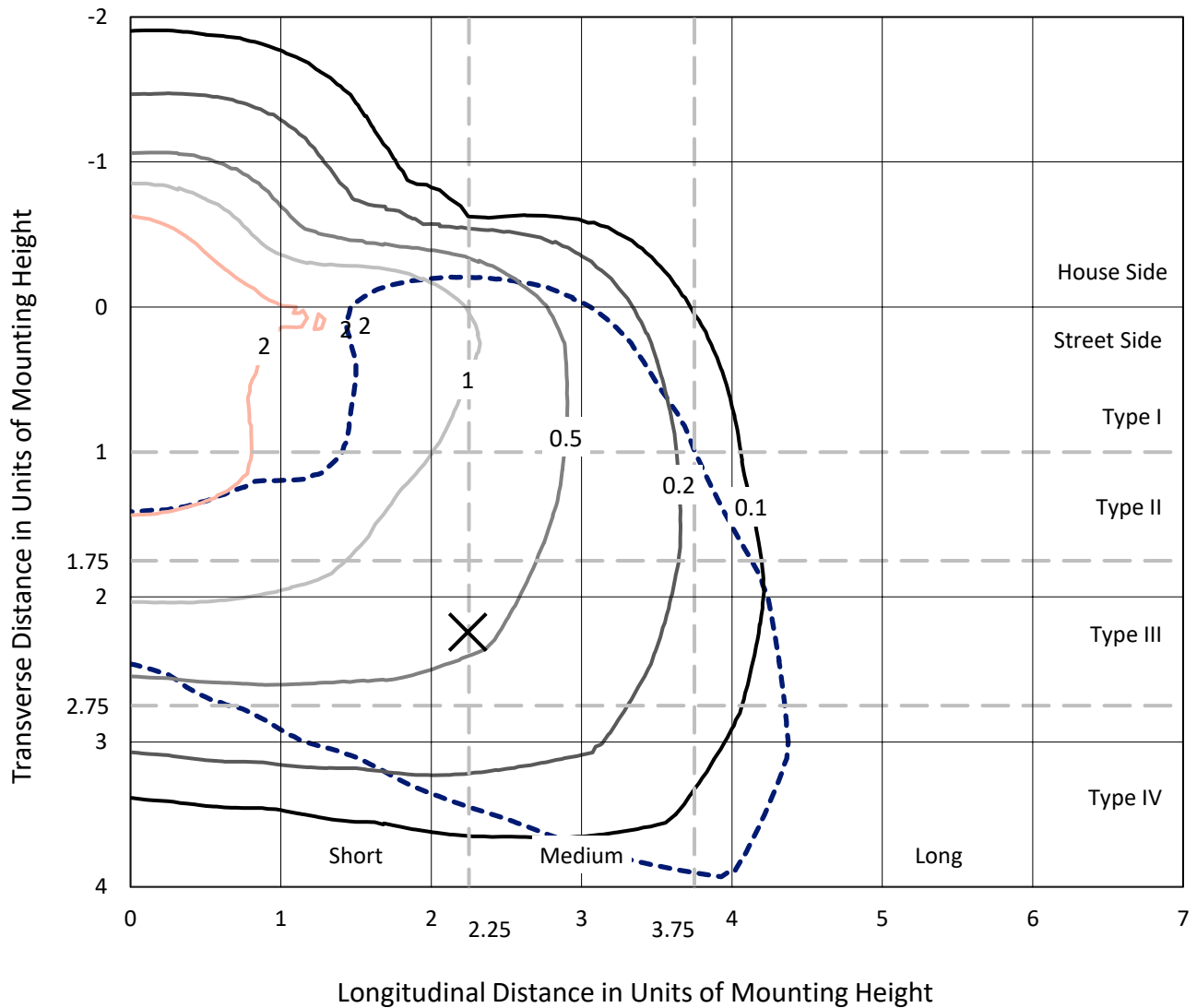
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

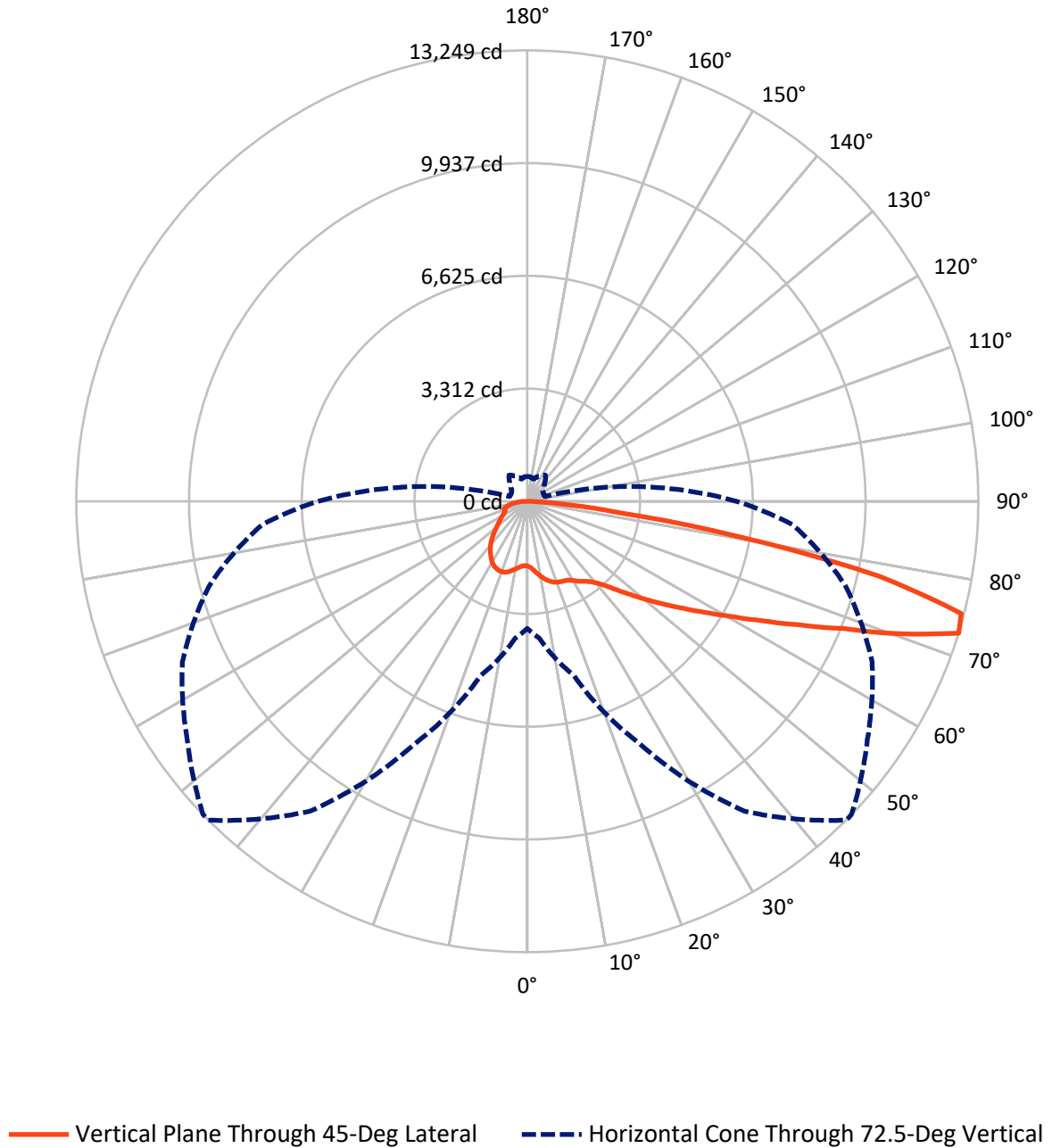
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4269.5	0.0	4269.5
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	14616.5	0.0	14616.5
	% Fixture	77.4	0.0	77.4
Total	Lumens	18886.0	0.0	18886.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.9	1.0
10°-20°	646.5	3.4
20°-30°	1124.7	6.0
30°-40°	1612.3	8.5
40°-50°	2270.2	12.0
50°-60°	3477.3	18.4
60°-70°	5037.4	26.7
70°-80°	4022.7	21.3
80°-90°	501.0	2.7
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°	18886.0	100.0
0°-180°	18886.0	100.0



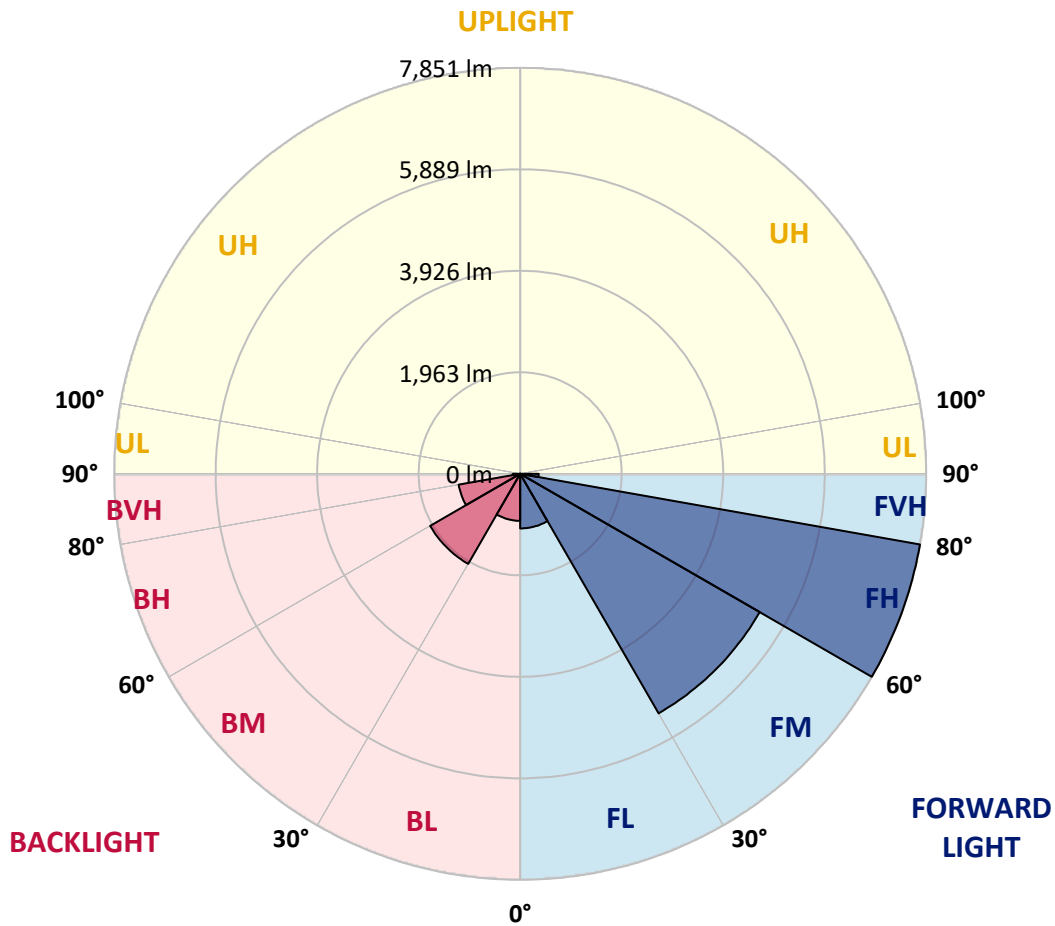
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1056.1	5.6			
FM (30°-60°)	5349.5	28.3			
FH (60°-80°)	7851.5	41.6			G4/12000
FVH (80°-90°)	359.4	1.9			G3/500
BL (0°-30°)	909.0	4.8	B2/1000		
BM (30°-60°)	2010.3	10.6	B2/2500		
BH (60°-80°)	1208.6	6.4	B3/2500		G3/2500
BVH (80°-90°)	141.6	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1905.2	1905.2	1905.2	1905.2	1905.2	1905.2	1905.2	1905.2	1905.2	1905.2
2.5°	1979.8	1992.8	1980.8	1969.9	1964.9	1952.0	1951.0	1943.0	1938.1	1924.1
5°	2118.1	2135.1	2115.2	2093.3	2073.4	2041.5	2037.6	2014.7	1988.8	1959.0
7.5°	2274.3	2289.3	2266.4	2233.5	2198.7	2146.0	2145.0	2103.2	2062.4	2011.7
10°	2410.6	2430.5	2399.7	2354.9	2311.1	2251.5	2244.5	2196.7	2145.0	2079.3
12.5°	2531.0	2544.9	2515.1	2460.4	2409.6	2349.9	2341.0	2288.3	2230.6	2155.9
15°	2626.5	2644.4	2604.6	2545.9	2492.2	2433.5	2425.6	2377.8	2320.1	2241.5
17.5°	2689.2	2704.1	2663.3	2597.7	2545.9	2497.2	2491.2	2451.4	2400.7	2321.1
20°	2713.1	2729.0	2686.2	2619.6	2571.8	2534.0	2531.0	2502.2	2467.3	2394.7
22.5°	2737.0	2751.9	2696.2	2626.5	2584.7	2560.9	2559.9	2541.0	2527.0	2467.3
25°	2833.5	2837.4	2762.8	2662.3	2602.7	2581.8	2580.8	2579.8	2585.7	2539.0
27.5°	2917.0	2916.0	2852.4	2757.9	2665.3	2621.6	2620.6	2630.5	2649.4	2610.6
30°	3039.4	3028.5	2952.9	2854.4	2769.8	2702.1	2696.2	2687.2	2702.1	2671.3
32.5°	3299.1	3264.3	3141.9	2966.8	2856.4	2804.6	2796.7	2740.9	2746.9	2728.0
35°	3671.2	3625.4	3462.2	3179.7	2963.8	2890.2	2886.2	2815.6	2803.6	2786.7
37.5°	4113.9	4057.2	3867.2	3488.1	3148.9	2989.7	2983.7	2920.0	2871.3	2853.4
40°	4558.6	4487.0	4329.8	3864.2	3421.5	3155.8	3136.9	3040.4	2984.7	2954.8
42.5°	4990.4	4930.7	4796.4	4286.0	3757.7	3398.6	3356.8	3191.6	3149.8	3122.0
45°	5372.4	5318.7	5220.2	4736.7	4151.7	3728.9	3688.1	3418.5	3405.5	3405.5
47.5°	5682.9	5670.9	5566.5	5196.4	4616.3	4104.9	4034.3	3733.9	3768.7	3822.4
50°	6027.1	5994.3	5882.8	5649.0	5162.5	4535.7	4478.0	4120.9	4251.2	4398.4
52.5°	6343.5	6361.4	6237.0	6120.6	5779.4	5016.3	4914.8	4577.5	4859.1	5102.8
55°	6668.8	6669.8	6635.0	6619.1	6426.0	5547.6	5436.1	5126.7	5574.4	5876.9
57.5°	6974.2	6976.2	7028.0	7168.2	7176.2	6160.4	6034.1	5801.3	6369.3	6677.8
60°	7246.8	7260.8	7402.0	7730.4	7835.8	6862.8	6743.4	6598.2	7191.1	7501.5
62.5°	7338.4	7389.1	7703.5	8170.1	8487.5	7724.4	7607.0	7520.4	8054.7	8343.2
65°	7183.2	7299.6	7907.4	8533.2	9158.0	8748.1	8631.7	8537.2	8952.1	9223.7
67.5°	6802.1	6952.3	7895.5	8914.3	9971.9	9979.8	9871.4	9649.5	9914.2	10018.6
70°	5798.3	6023.1	7200.1	9056.6	10906.1	11664.2	11559.7	10988.6	10874.2	10368.8
72.5°	3735.8	4038.3	5301.8	7885.6	11114.0	13249.1	13243.1	12197.5	11177.7	9688.3
75°	1363.0	1548.1	2463.4	4949.6	9329.2	13168.5	13207.3	11990.5	10203.7	7483.6
77.5°	496.5	543.2	803.9	1902.2	5737.6	10565.8	10646.4	9585.8	7262.8	3755.7
80°	260.7	286.5	411.9	738.2	2458.4	6274.8	6401.2	5696.8	3413.5	1131.2
82.5°	144.3	156.2	230.8	400.9	1107.3	2683.2	2758.9	2250.5	1200.8	479.5
85°	77.6	82.6	108.4	218.9	541.2	930.2	951.1	672.6	478.5	281.6
87.5°	22.9	27.9	35.8	69.6	211.9	208.9	213.9	133.3	189.0	142.3
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°
1905.2	0°	1905.2	1905.2	1905.2	1905.2	1905.2	1905.2	1905.2	1905.2	1905.2	1905.2
1920.2	2.5°	1914.2	1911.2	1900.3	1895.3	1889.3	1888.3	1893.3	1894.3	1895.3	1896.3
1942.0	5°	1932.1	1922.1	1912.2	1906.2	1908.2	1909.2	1919.2	1926.1	1931.1	1935.1
1982.8	7.5°	1966.9	1959.0	1942.0	1941.0	1944.0	1953.0	1965.9	1981.8	1990.8	1997.8
2035.6	10°	2018.6	2003.7	1983.8	1986.8	1992.8	2005.7	2032.6	2045.5	2060.4	2073.4
2100.2	12.5°	2071.4	2058.4	2035.6	2037.6	2047.5	2070.4	2096.3	2112.2	2122.1	2132.1
2169.9	15°	2140.0	2117.1	2092.3	2092.3	2110.2	2135.1	2147.0	2159.9	2165.9	2176.8
2244.5	17.5°	2210.7	2180.8	2148.0	2146.0	2167.9	2179.8	2186.8	2188.8	2190.8	2202.7
2317.1	20°	2281.3	2248.5	2201.7	2197.7	2202.7	2200.7	2199.7	2197.7	2200.7	2215.6
2391.7	22.5°	2350.9	2313.1	2248.5	2230.6	2216.6	2197.7	2196.7	2195.7	2197.7	2212.7
2472.3	25°	2432.5	2386.8	2300.2	2246.5	2199.7	2173.9	2176.8	2177.8	2179.8	2191.8
2555.9	27.5°	2521.1	2470.3	2348.0	2241.5	2156.9	2139.0	2134.1	2137.0	2144.0	2162.9
2639.5	30°	2609.6	2549.9	2391.7	2221.6	2103.2	2078.3	2062.4	2069.4	2091.3	2110.2
2712.1	32.5°	2690.2	2630.5	2426.6	2177.8	2034.6	1995.8	1974.9	1983.8	2005.7	2012.7
2792.7	35°	2784.7	2717.1	2441.5	2108.2	1959.9	1900.3	1872.4	1859.5	1870.4	1863.4
2887.2	37.5°	2890.2	2819.5	2439.5	2016.7	1872.4	1803.8	1764.9	1716.2	1693.3	1669.4
3026.5	40°	3046.4	2944.9	2415.6	1906.2	1764.0	1701.3	1631.6	1549.1	1497.3	1450.6
3251.3	42.5°	3259.3	3119.0	2371.8	1784.8	1641.6	1582.9	1488.4	1391.9	1310.3	1232.7
3592.6	45°	3576.7	3346.8	2317.1	1655.5	1509.3	1451.6	1349.1	1240.6	1148.1	1048.6
4077.1	47.5°	4034.3	3653.3	2265.4	1508.3	1370.0	1317.2	1224.7	1124.2	1014.8	918.3
4777.5	50°	4663.1	4093.0	2217.6	1365.0	1232.7	1192.9	1119.3	1016.8	906.4	828.8
5598.3	52.5°	5463.0	4690.9	2197.7	1226.7	1104.3	1089.4	1030.7	935.2	830.7	765.1
6555.4	55°	6381.3	5406.3	2197.7	1094.4	991.9	996.9	956.1	867.6	777.0	718.3
7542.3	57.5°	7318.5	6130.6	2157.9	972.0	896.4	917.3	891.4	813.8	732.2	671.6
8580.0	60°	8182.0	6737.4	1996.8	860.6	811.8	844.7	827.8	761.1	661.6	610.9
9447.6	62.5°	8845.6	7079.7	1686.4	772.0	742.2	780.0	771.0	691.5	648.7	627.8
10159.9	65°	9177.9	7024.0	1289.4	693.4	683.5	742.2	723.3	720.3	686.5	662.6
10391.7	67.5°	8974.0	6544.4	935.2	635.7	649.7	707.4	780.0	791.9	729.3	682.5
9739.1	70°	8079.6	5676.9	696.4	581.0	606.9	708.4	889.4	828.8	715.3	660.6
7810.9	72.5°	6146.5	4233.3	540.2	523.3	551.2	713.3	938.2	811.8	675.5	730.3
4866.0	75°	3515.0	2324.1	433.8	452.7	481.5	666.6	913.3	768.1	644.7	670.6
1928.1	77.5°	1340.1	893.4	358.2	383.0	387.0	582.0	873.5	765.1	613.9	598.9
578.0	80°	464.6	349.2	296.5	304.4	299.5	517.3	837.7	665.6	502.4	449.7
238.8	82.5°	190.0	174.1	234.8	224.8	212.9	401.9	676.5	544.2	410.9	363.1
115.4	85°	82.6	110.4	155.2	136.3	123.4	278.6	542.2	460.6	347.2	299.5
37.8	87.5°	16.9	41.8	65.7	61.7	63.7	186.0	385.0	327.3	245.7	184.1
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>
1905.2
1900.3
1937.1
1999.7
2070.4
2136.0
2180.8
2206.7
2221.6
2222.6
2207.7
2181.8
2131.1
2037.6
1885.3
1684.4
1453.5
1225.7
1036.7
907.3
823.8
760.1
712.3
661.6
602.9
620.8
654.6
674.5
651.7
724.3
670.6
546.2
434.8
359.2
298.5
144.3
0.0

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