

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: P952239

Luminaire Tested: **GALN-SB6A-927-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-927-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13785 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

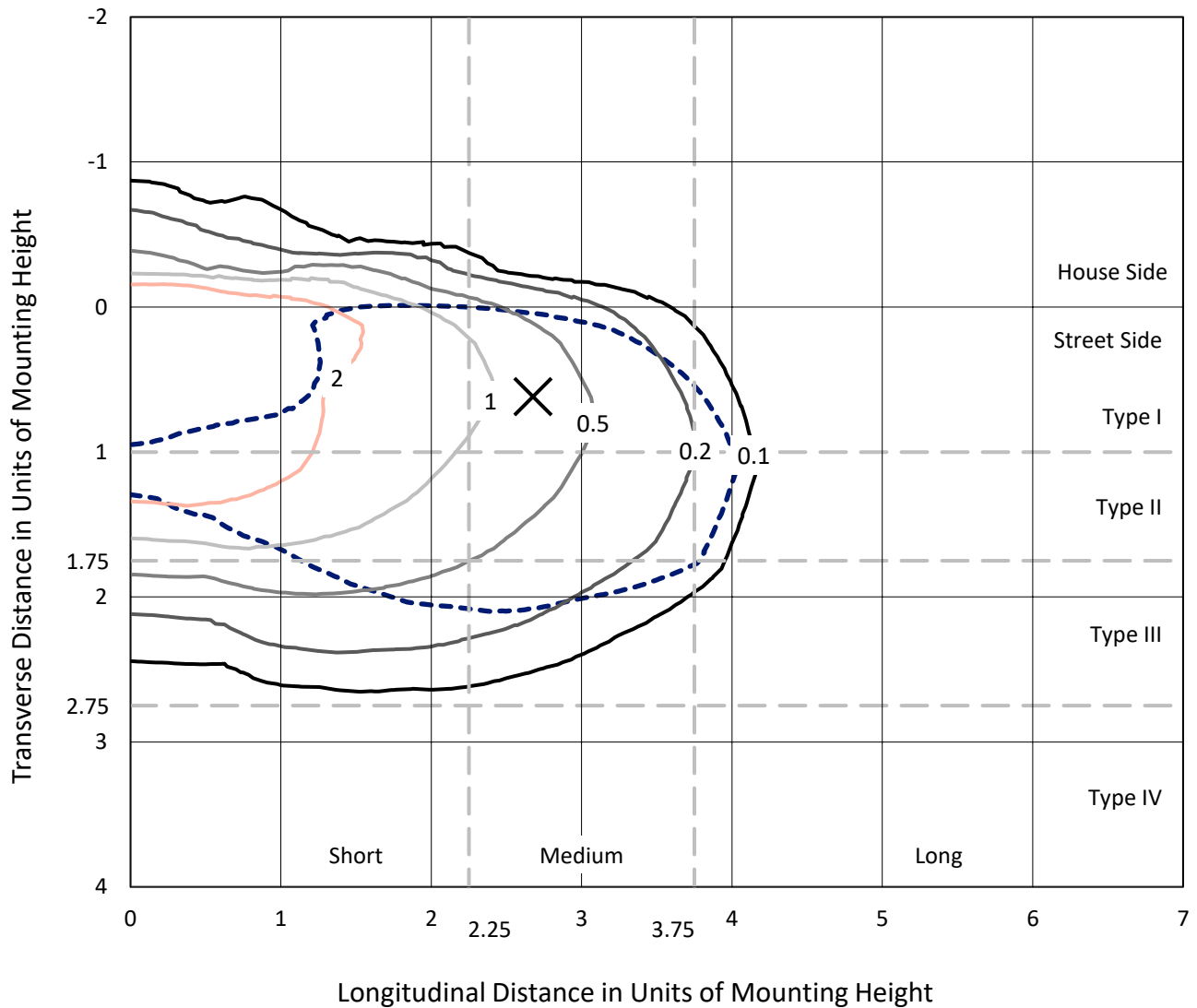
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

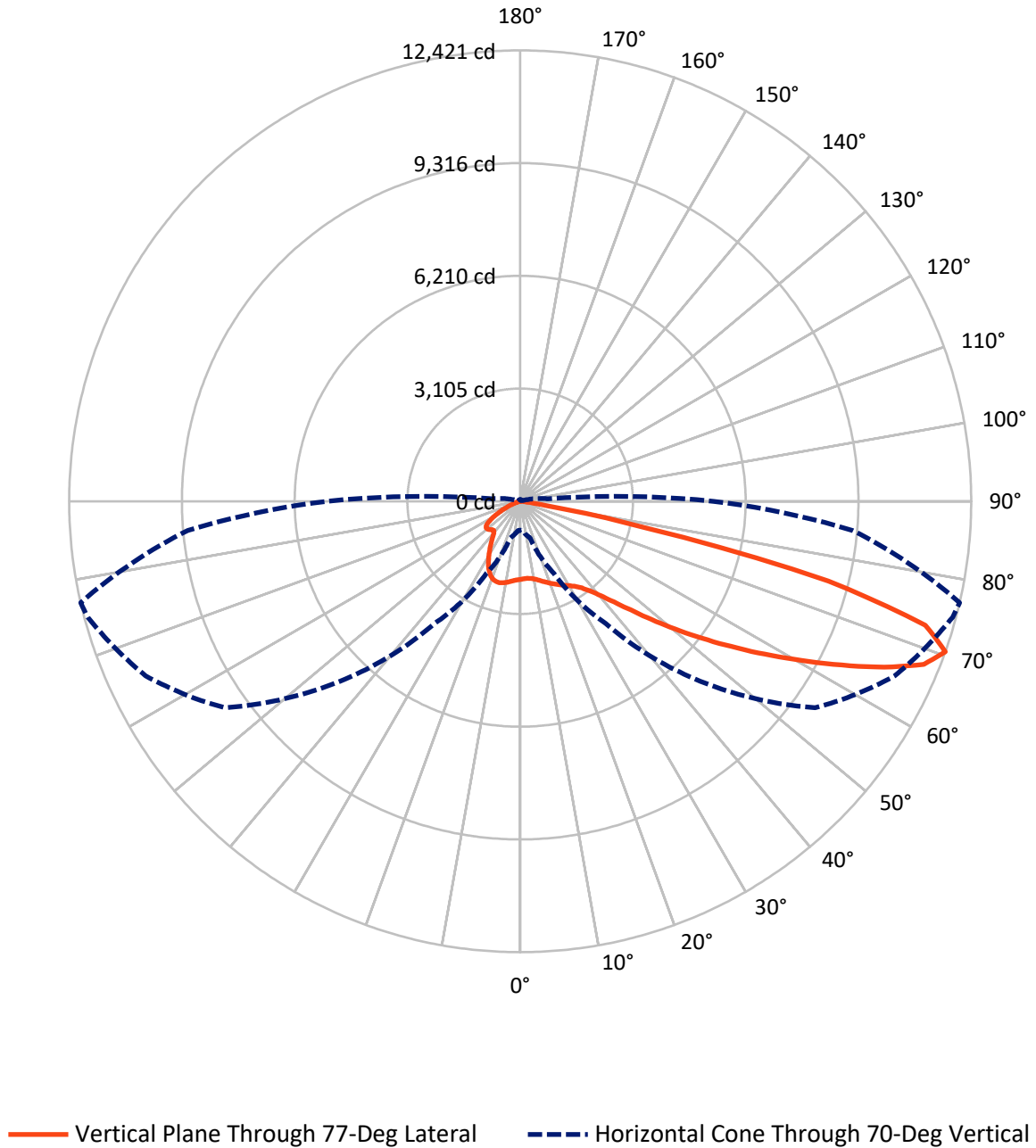
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1453.1	0.0	1453.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	12331.9	0.0	12331.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	13785.0	0.0	13785.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.3	1.3
10°-20°	439.9	3.2
20°-30°	680.4	4.9
30°-40°	1234.7	9.0
40°-50°	2330.6	16.9
50°-60°	3367.5	24.4
60°-70°	3584.6	26.0
70°-80°	1899.6	13.8
80°-90°	62.4	0.5
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°	13785.0	100.0
0°-180°	13785.0	100.0

Coefficient of Utilization



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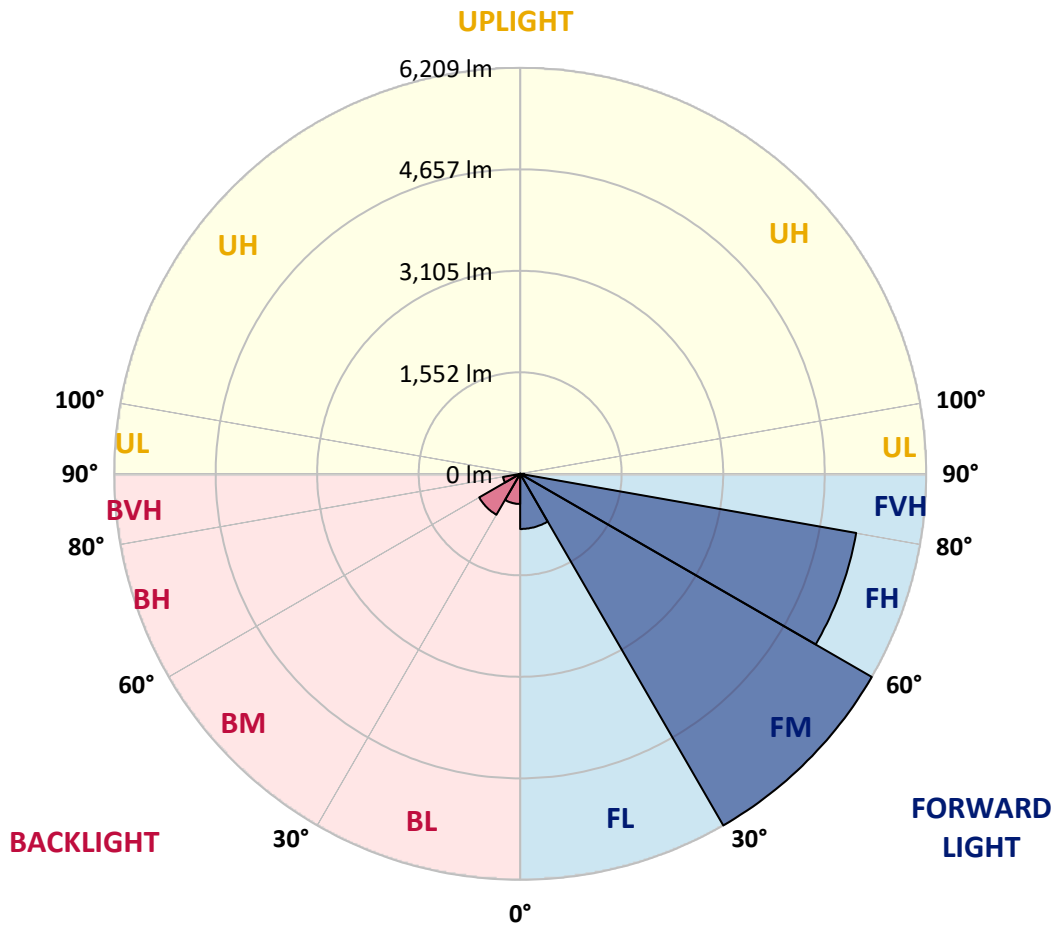
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	844.0	6.1			
FM (30°-60°)	6209.4	45.0			
FH (60°-80°)	5217.8	37.9			G3/7500
FVH (80°-90°)	60.7	0.4			G1/100
BL (0°-30°)	461.7	3.3	B1/500		
BM (30°-60°)	723.4	5.2	B1/1000		
BH (60°-80°)	266.4	1.9	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2150.2	2150.2	2150.2	2150.2	2150.2	2150.2	2150.2	2150.2	2150.2	2150.2
2.5°	2018.8	2037.0	2034.4	2046.6	2051.0	2068.4	2085.8	2109.3	2135.4	2134.5
5°	1904.7	1923.0	1927.4	1943.9	1964.8	1991.8	2027.5	2074.5	2123.2	2131.1
7.5°	1769.8	1788.9	1800.3	1833.3	1871.6	1927.4	1985.7	2054.5	2135.4	2146.7
10°	1634.9	1652.3	1667.1	1714.1	1775.0	1857.7	1952.6	2051.8	2160.7	2177.2
12.5°	1551.3	1567.8	1584.4	1625.3	1701.0	1802.0	1930.8	2064.0	2202.4	2225.9
15°	1521.7	1536.5	1549.5	1586.1	1656.6	1771.5	1926.5	2089.3	2255.5	2286.9
17.5°	1526.0	1533.9	1542.6	1570.4	1639.2	1757.6	1934.3	2132.8	2318.2	2346.1
20°	1551.3	1555.6	1556.5	1575.7	1636.6	1755.9	1950.0	2174.6	2377.4	2414.9
22.5°	1583.5	1585.2	1583.5	1596.6	1653.1	1768.9	1970.9	2225.1	2443.6	2478.4
25°	1734.1	1701.0	1659.2	1634.0	1681.0	1794.2	2002.2	2293.0	2515.8	2549.8
27.5°	2201.6	2106.7	1957.0	1788.9	1738.4	1830.7	2045.7	2361.8	2589.0	2619.4
30°	2960.7	2836.2	2582.0	2203.3	1923.0	1907.3	2102.3	2430.5	2666.4	2699.5
32.5°	3721.5	3691.1	3397.7	2873.6	2338.2	2078.0	2196.3	2523.7	2769.2	2795.3
35°	4491.1	4429.3	4189.0	3671.0	2978.1	2425.3	2353.0	2645.5	2904.1	2933.7
37.5°	5080.4	5043.0	4894.1	4467.6	3737.2	2961.5	2621.2	2834.4	3100.0	3133.0
40°	5601.0	5583.6	5533.1	5251.9	4586.0	3663.2	3038.2	3126.9	3371.6	3410.7
42.5°	6010.1	6051.1	6079.8	6001.4	5460.8	4464.1	3598.8	3537.8	3750.2	3790.3
45°	6428.9	6442.8	6558.6	6671.7	6329.6	5301.5	4230.8	4019.2	4221.2	4270.8
47.5°	6697.9	6753.6	6957.3	7156.6	7060.0	6132.0	4909.8	4587.7	4767.0	4860.2
50°	6717.9	6823.2	7103.5	7450.9	7591.9	6922.5	5648.0	5235.4	5426.0	5528.7
52.5°	6384.5	6548.1	6982.5	7490.9	7879.2	7591.9	6411.5	5883.0	6127.7	6261.7
55°	4895.0	5109.1	6527.2	7273.3	7890.5	8099.4	7154.9	6557.7	6909.4	7060.9
57.5°	4264.7	4372.7	5131.8	6895.5	7680.7	8304.0	7826.9	7200.2	7759.9	7947.9
60°	3548.3	3690.2	4303.9	6277.4	7396.0	8324.0	8420.6	8028.9	8681.8	8893.3
62.5°	2411.4	2565.5	3175.7	5215.3	7006.9	8314.4	8907.3	8882.0	9706.4	9933.6
65°	1493.8	1590.5	1992.6	4258.6	6462.8	8324.9	9416.5	9918.0	10787.6	11018.3
67.5°	1180.4	1224.8	1434.6	3269.7	5525.3	8089.8	9924.9	10892.1	11805.3	11988.1
70°	793.1	820.0	1043.8	2192.0	4110.6	7005.2	9915.3	11381.3	12329.3	12420.7
72.5°	417.9	438.7	610.2	1015.0	2482.8	4979.4	8358.0	10796.3	11807.9	11670.3
75°	208.9	243.7	410.9	515.4	1060.3	2777.0	5190.1	8512.1	9293.8	8761.0
77.5°	158.4	191.5	339.5	339.5	369.1	935.0	2198.1	4642.5	4282.1	3565.7
80°	101.0	130.6	296.9	256.8	154.1	237.7	572.8	1300.6	909.7	692.1
82.5°	59.2	85.3	247.2	169.8	86.2	87.9	161.9	276.8	235.9	183.7
85°	23.5	55.7	169.8	67.0	34.0	21.8	48.7	59.2	48.7	36.6
87.5°	0.0	13.1	29.6	0.0	2.6	1.7	3.5	4.4	4.4	3.5
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°
2150.2	0°	2150.2	2150.2	2150.2	2150.2	2150.2	2150.2	2150.2	2150.2	2150.2	2150.2
2152.0	2.5°	2159.8	2161.5	2166.8	2167.6	2155.4	2139.8	2133.7	2131.1	2120.6	2119.7
2165.9	5°	2185.9	2193.7	2185.9	2163.3	2109.3	2033.6	1976.1	1929.1	1886.4	1873.4
2213.8	7.5°	2238.1	2246.0	2222.5	2133.7	1997.9	1847.3	1711.5	1615.7	1529.5	1497.3
2272.1	10°	2313.0	2323.4	2249.5	2070.1	1829.9	1587.8	1358.0	1196.1	1069.9	1018.5
2351.3	12.5°	2407.0	2411.4	2264.3	1973.5	1611.4	1265.8	940.2	766.9	654.6	612.9
2447.1	15°	2510.6	2504.5	2266.0	1842.0	1313.6	894.9	613.7	504.0	458.8	444.8
2542.8	17.5°	2619.4	2594.2	2231.2	1652.3	987.2	612.0	455.3	429.2	421.3	417.9
2637.7	20°	2726.5	2669.9	2167.6	1404.2	708.6	457.0	413.5	405.7	401.3	399.6
2733.5	22.5°	2824.0	2727.4	2058.8	1116.0	514.5	403.9	390.9	383.9	376.1	372.6
2826.6	25°	2918.9	2760.5	1905.6	847.0	411.8	377.8	367.4	354.3	343.9	339.5
2926.7	27.5°	3011.2	2781.3	1714.1	626.8	367.4	353.4	334.3	316.0	308.2	306.4
3033.8	30°	3109.5	2788.3	1496.4	467.5	340.4	323.0	295.1	274.2	269.9	270.7
3178.3	32.5°	3229.7	2798.8	1277.1	383.0	317.7	286.4	253.3	231.6	228.1	231.6
3389.0	35°	3373.3	2819.6	1065.5	352.6	297.7	249.0	213.3	195.0	191.5	194.1
3658.8	37.5°	3568.3	2853.6	867.9	346.5	281.2	217.6	179.3	164.5	164.5	165.4
3989.6	40°	3827.7	2944.1	691.2	342.1	272.5	194.1	151.5	145.4	148.0	149.7
4411.0	42.5°	4143.7	3136.5	571.9	336.9	262.9	183.7	137.5	134.9	139.3	141.0
4915.9	45°	4498.0	3380.3	530.2	328.2	254.2	190.6	131.5	128.0	133.2	134.1
5481.7	47.5°	4864.5	3618.8	524.9	318.6	245.5	201.1	129.7	121.9	128.0	128.8
6085.9	50°	5235.4	3774.6	530.2	303.8	231.6	201.1	130.6	115.8	121.0	123.6
6712.7	52.5°	5608.8	3846.0	526.7	271.6	207.2	188.9	130.6	110.6	115.8	117.5
7389.9	55°	5971.0	3832.1	473.6	223.7	175.8	167.1	127.1	106.2	109.7	110.6
8029.8	57.5°	6257.4	3637.9	375.2	174.1	142.8	139.3	115.8	101.0	103.6	102.7
8616.5	60°	6407.1	3211.4	268.1	134.1	112.3	109.7	101.9	94.0	95.8	91.4
9113.6	62.5°	6408.8	2647.3	179.3	106.2	89.7	87.1	87.1	84.4	82.7	74.0
9498.4	65°	6272.2	2021.4	119.3	84.4	72.3	67.9	73.1	72.3	66.2	54.0
9615.9	67.5°	5962.3	1324.9	90.5	66.2	55.7	53.1	58.3	60.9	56.6	45.3
9187.6	70°	5325.0	771.3	74.9	51.4	41.8	39.2	47.0	52.2	47.0	36.6
7853.1	72.5°	4423.2	416.1	60.9	38.3	28.7	26.1	37.4	42.7	37.4	27.0
5038.6	75°	2870.1	222.9	47.0	25.2	14.8	16.5	27.9	31.3	26.1	17.4
1479.0	77.5°	963.7	98.4	29.6	12.2	7.0	7.0	16.5	19.2	12.2	6.1
269.0	80°	215.0	40.9	12.2	5.2	2.6	2.6	3.5	3.5	1.7	0.0
82.7	82.5°	70.5	16.5	5.2	1.7	0.0	0.0	0.0	0.0	0.0	0.0
20.9	85°	27.0	6.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.0	87.5°	10.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
2150.2
2121.5
1865.5
1484.3
996.8
599.8
444.8
417.0
397.8
371.7
337.8
304.7
270.7
230.7
193.3
164.5
149.7
141.0
134.9
129.7
124.5
117.5
110.6
102.7
90.5
71.4
52.2
44.4
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