

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: P948753

Luminaire Tested: **GALN-SB3C-950-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948753
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-SB3C-950-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 615mA 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: 13014 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

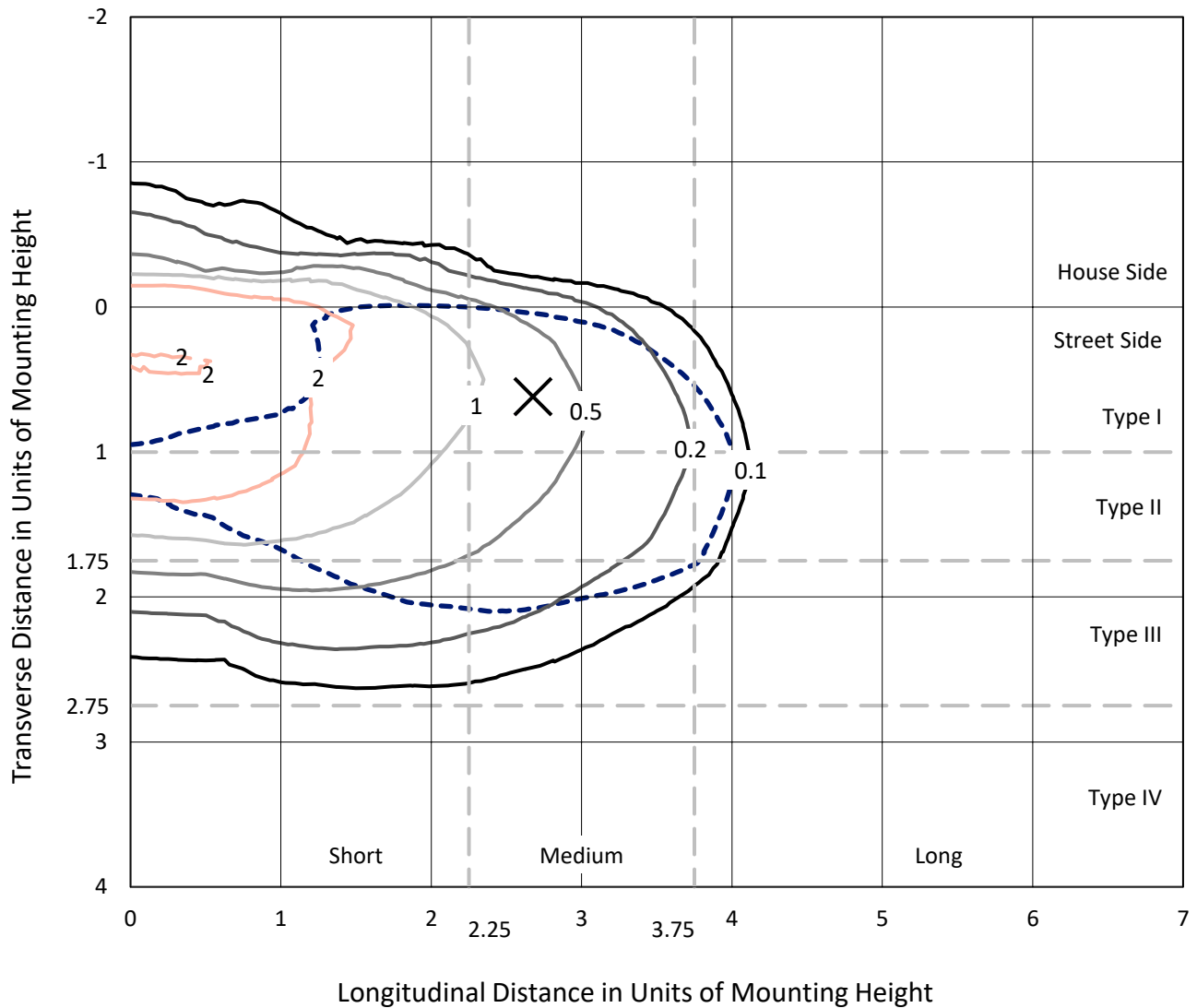
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

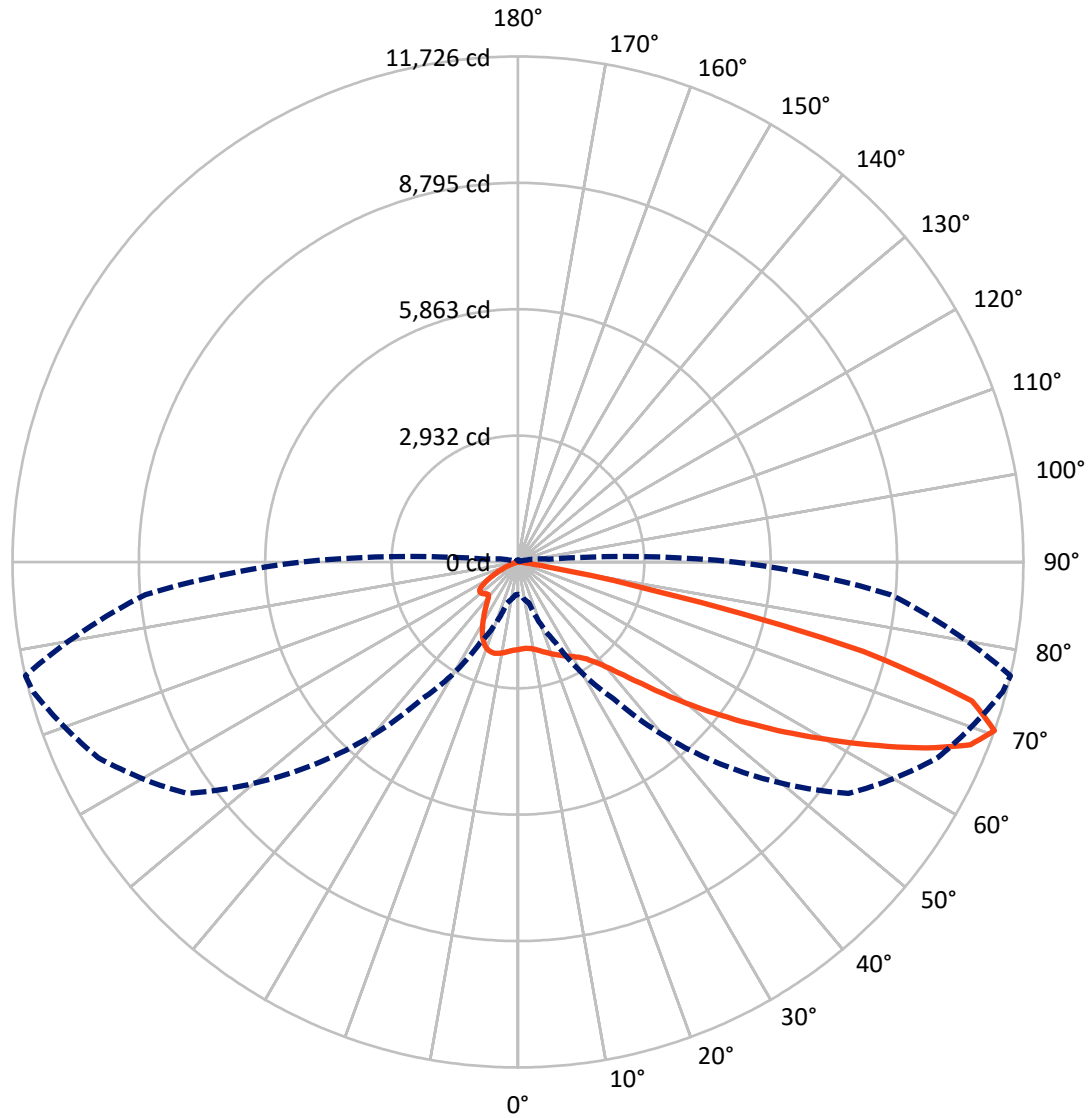
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1371.9	0.0	1371.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	11642.1	0.0	11642.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	13014.0	0.0	13014.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.9	1.3
10°-20°	415.3	3.2
20°-30°	642.4	4.9
30°-40°	1165.6	9.0
40°-50°	2200.2	16.9
50°-60°	3179.2	24.4
60°-70°	3384.1	26.0
70°-80°	1793.4	13.8
80°-90°	58.9	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°	13014.0	100.0
0°-180°	13014.0	100.0

Coefficient of Utilization



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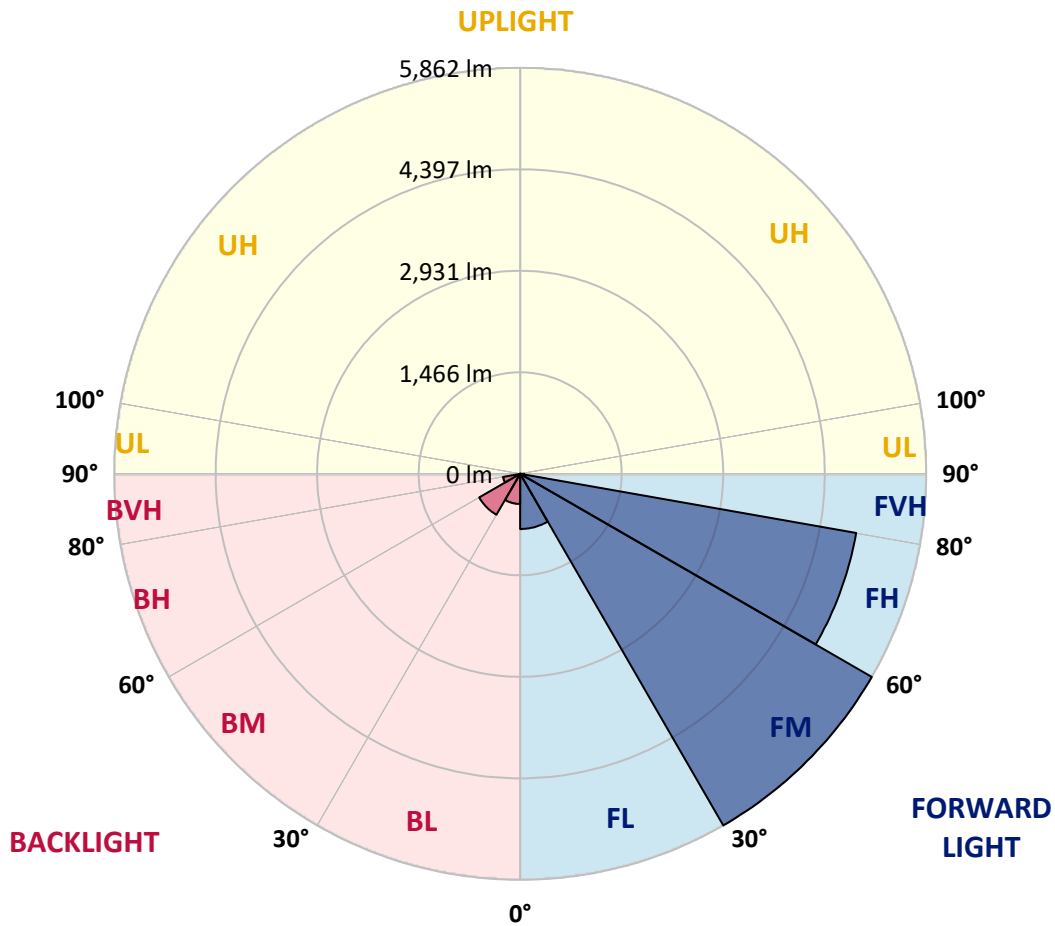
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	796.8	6.1			
FM (30°-60°)	5862.1	45.0			
FH (60°-80°)	4926.0	37.9			G2/5000
FVH (80°-90°)	57.3	0.4			G1/100
BL (0°-30°)	435.9	3.3	B1/500		
BM (30°-60°)	682.9	5.2	B1/1000		
BH (60°-80°)	251.5	1.9	B1/500		G1/500
BVH (80°-90°)	1.6	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-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2029.9	2029.9	2029.9	2029.9	2029.9	2029.9	2029.9	2029.9	2029.9	2029.9
2.5°	1905.9	1923.1	1920.6	1932.1	1936.3	1952.7	1969.1	1991.3	2016.0	2015.2
5°	1798.2	1815.4	1819.6	1835.2	1854.9	1880.4	1914.1	1958.4	2004.5	2011.9
7.5°	1670.8	1688.9	1699.6	1730.8	1767.0	1819.6	1874.6	1939.5	2016.0	2026.7
10°	1543.4	1559.9	1573.8	1618.2	1675.7	1753.8	1843.4	1937.1	2039.8	2055.4
12.5°	1464.5	1480.1	1495.8	1534.4	1605.9	1701.2	1822.8	1948.6	2079.3	2101.4
15°	1436.6	1450.6	1462.9	1497.4	1564.0	1672.4	1818.7	1972.4	2129.4	2159.0
17.5°	1440.7	1448.1	1456.3	1482.6	1547.5	1659.3	1826.1	2013.5	2188.6	2214.9
20°	1464.5	1468.6	1469.5	1487.5	1545.1	1657.7	1840.9	2053.0	2244.4	2279.8
22.5°	1494.9	1496.6	1494.9	1507.3	1560.7	1670.0	1860.6	2100.6	2306.9	2339.8
25°	1637.1	1605.9	1566.4	1542.6	1587.0	1693.8	1890.2	2164.7	2375.1	2407.2
27.5°	2078.4	1988.9	1847.5	1688.9	1641.2	1728.3	1931.3	2229.7	2444.2	2472.9
30°	2795.1	2677.6	2437.6	2080.1	1815.4	1800.7	1984.7	2294.6	2517.3	2548.5
32.5°	3513.4	3484.6	3207.6	2712.9	2207.5	1961.7	2073.5	2382.5	2614.3	2638.9
35°	4239.9	4181.5	3954.7	3465.7	2811.5	2289.7	2221.4	2497.6	2741.7	2769.6
37.5°	4796.3	4760.9	4620.4	4217.7	3528.2	2795.9	2474.6	2675.9	2926.6	2957.8
40°	5287.7	5271.3	5223.6	4958.2	4329.5	3458.3	2868.2	2952.1	3183.0	3220.0
42.5°	5674.0	5712.6	5739.7	5665.8	5155.4	4214.4	3397.5	3340.0	3540.5	3578.3
45°	6069.3	6082.5	6191.8	6298.6	5975.6	5005.0	3994.2	3794.4	3985.1	4032.0
47.5°	6323.2	6375.8	6568.2	6756.4	6665.1	5789.1	4635.2	4331.1	4500.4	4588.3
50°	6342.2	6441.6	6706.2	7034.1	7167.3	6535.3	5332.1	4942.6	5122.5	5219.5
52.5°	6027.4	6181.9	6592.0	7071.9	7438.5	7167.3	6052.9	5554.0	5784.9	5911.5
55°	4621.2	4823.4	6162.2	6866.5	7449.2	7646.4	6754.7	6190.9	6523.0	6666.0
57.5°	4026.2	4128.1	4844.8	6509.8	7251.1	7839.5	7389.2	6797.5	7325.9	7503.4
60°	3349.8	3483.8	4063.2	5926.3	6982.4	7858.5	7949.7	7579.8	8196.2	8395.9
62.5°	2276.5	2422.0	2998.1	4923.7	6615.0	7849.4	8409.1	8385.3	9163.5	9378.0
65°	1410.3	1501.5	1881.2	4020.4	6101.4	7859.3	8889.9	9363.2	10184.3	10402.1
67.5°	1114.4	1156.3	1354.4	3086.8	5216.2	7637.4	9369.8	10282.9	11145.0	11317.6
70°	748.7	774.2	985.4	2069.4	3880.7	6613.4	9360.8	10744.8	11639.7	11726.0
72.5°	394.5	414.2	576.1	958.3	2343.9	4700.9	7890.5	10192.5	11147.5	11017.6
75°	197.2	230.1	387.9	486.5	1001.0	2621.7	4899.8	8036.0	8774.0	8271.0
77.5°	149.6	180.8	320.5	320.5	348.5	882.7	2075.2	4382.9	4042.6	3366.3
80°	95.3	123.3	280.2	242.4	145.5	224.4	540.8	1227.8	858.8	653.4
82.5°	55.9	80.5	233.4	160.3	81.4	83.0	152.9	261.3	222.7	173.4
85°	22.2	52.6	160.3	63.3	32.1	20.5	46.0	55.9	46.0	34.5
87.5°	0.0	12.3	27.9	0.0	2.5	1.6	3.3	4.1	4.1	3.3
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°
2029.9	0°	2029.9	2029.9	2029.9	2029.9	2029.9	2029.9	2029.9	2029.9	2029.9	2029.9
2031.6	2.5°	2039.0	2040.6	2045.6	2046.4	2034.9	2020.1	2014.3	2011.9	2002.0	2001.2
2044.7	5°	2063.6	2071.0	2063.6	2042.3	1991.3	1919.8	1865.6	1821.2	1780.9	1768.6
2089.9	7.5°	2113.0	2120.4	2098.2	2014.3	1886.1	1743.9	1615.7	1525.3	1444.0	1413.6
2145.0	10°	2183.6	2193.5	2123.6	1954.3	1727.5	1499.0	1282.1	1129.2	1010.0	961.6
2219.8	12.5°	2272.4	2276.5	2137.6	1863.1	1521.2	1195.0	887.6	724.0	618.0	578.6
2310.2	15°	2370.2	2364.4	2139.3	1739.0	1240.2	844.9	579.4	475.8	433.1	420.0
2400.6	17.5°	2472.9	2449.1	2106.4	1559.9	932.0	577.8	429.8	405.2	397.8	394.5
2490.2	20°	2574.0	2520.6	2046.4	1325.6	669.0	431.5	390.4	383.0	378.9	377.2
2580.6	22.5°	2666.1	2574.8	1943.7	1053.6	485.7	381.3	369.0	362.4	355.0	351.7
2668.5	25°	2755.6	2606.1	1799.0	799.7	388.7	356.7	346.8	334.5	324.6	320.5
2763.0	27.5°	2842.8	2625.8	1618.2	591.7	346.8	333.7	315.6	298.3	290.9	289.3
2864.1	30°	2935.6	2632.4	1412.7	441.3	321.3	304.9	278.6	258.9	254.8	255.6
3000.5	32.5°	3049.0	2642.2	1205.6	361.6	300.0	270.4	239.2	218.6	215.3	218.6
3199.4	35°	3184.6	2661.9	1005.9	332.8	281.1	235.0	201.4	184.1	180.8	183.3
3454.2	37.5°	3368.7	2694.0	819.4	327.1	265.5	205.5	169.3	155.3	155.3	156.1
3766.5	40°	3613.6	2779.5	652.5	323.0	257.2	183.3	143.0	137.2	139.7	141.4
4164.3	42.5°	3912.0	2961.1	539.9	318.1	248.2	173.4	129.9	127.4	131.5	133.1
4640.9	45°	4246.5	3191.2	500.5	309.8	240.0	180.0	124.1	120.8	125.7	126.6
5175.1	47.5°	4592.5	3416.4	495.6	300.8	231.8	189.8	122.5	115.1	120.8	121.6
5745.5	50°	4942.6	3563.5	500.5	286.8	218.6	189.8	123.3	109.3	114.2	116.7
6337.2	52.5°	5295.1	3630.9	497.2	256.4	195.6	178.3	123.3	104.4	109.3	110.9
6976.6	55°	5637.0	3617.7	447.1	211.2	166.0	157.8	120.0	100.3	103.6	104.4
7580.7	57.5°	5907.4	3434.5	354.2	164.4	134.8	131.5	109.3	95.3	97.8	97.0
8134.6	60°	6048.8	3031.8	253.1	126.6	106.0	103.6	96.2	88.8	90.4	86.3
8603.9	62.5°	6050.4	2499.2	169.3	100.3	84.6	82.2	82.2	79.7	78.1	69.9
8967.1	65°	5921.4	1908.3	112.6	79.7	68.2	64.1	69.0	68.2	62.5	51.0
9078.1	67.5°	5628.8	1250.8	85.5	62.5	52.6	50.1	55.1	57.5	53.4	42.7
8673.7	70°	5027.2	728.2	70.7	48.5	39.4	37.0	44.4	49.3	44.4	34.5
7413.8	72.5°	4175.8	392.8	57.5	36.2	27.1	24.7	35.3	40.3	35.3	25.5
4756.8	75°	2709.6	210.4	44.4	23.8	14.0	15.6	26.3	29.6	24.7	16.4
1396.3	77.5°	909.8	92.9	27.9	11.5	6.6	6.6	15.6	18.1	11.5	5.8
253.9	80°	203.0	38.6	11.5	4.9	2.5	2.5	3.3	3.3	1.6	0.0
78.1	82.5°	66.6	15.6	4.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0
19.7	85°	25.5	5.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.6	87.5°	9.9	0.8	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

180°
2029.9
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