

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: P952237

Luminaire Tested: **GALN-SB6A-927-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
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-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12654 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

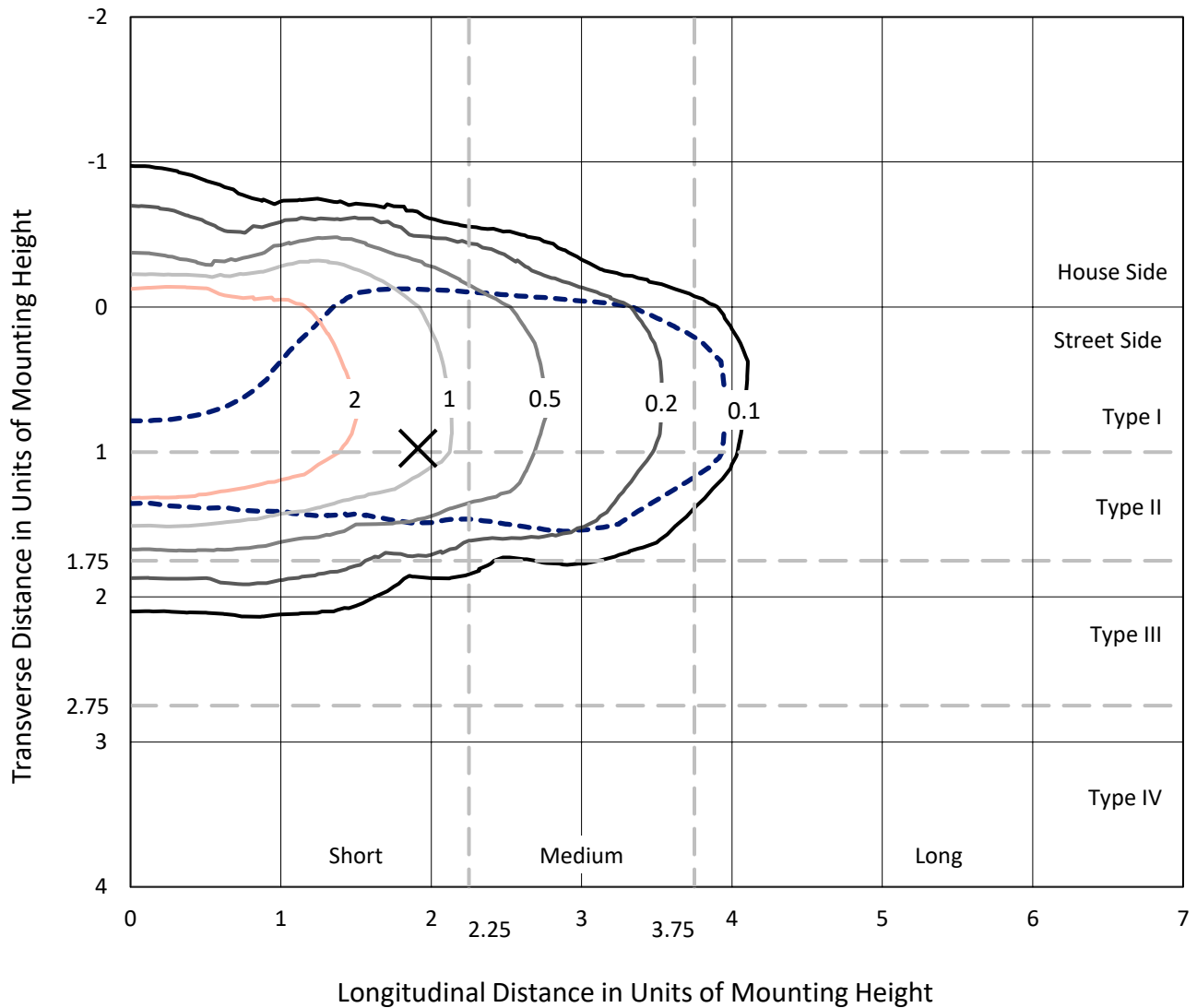
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

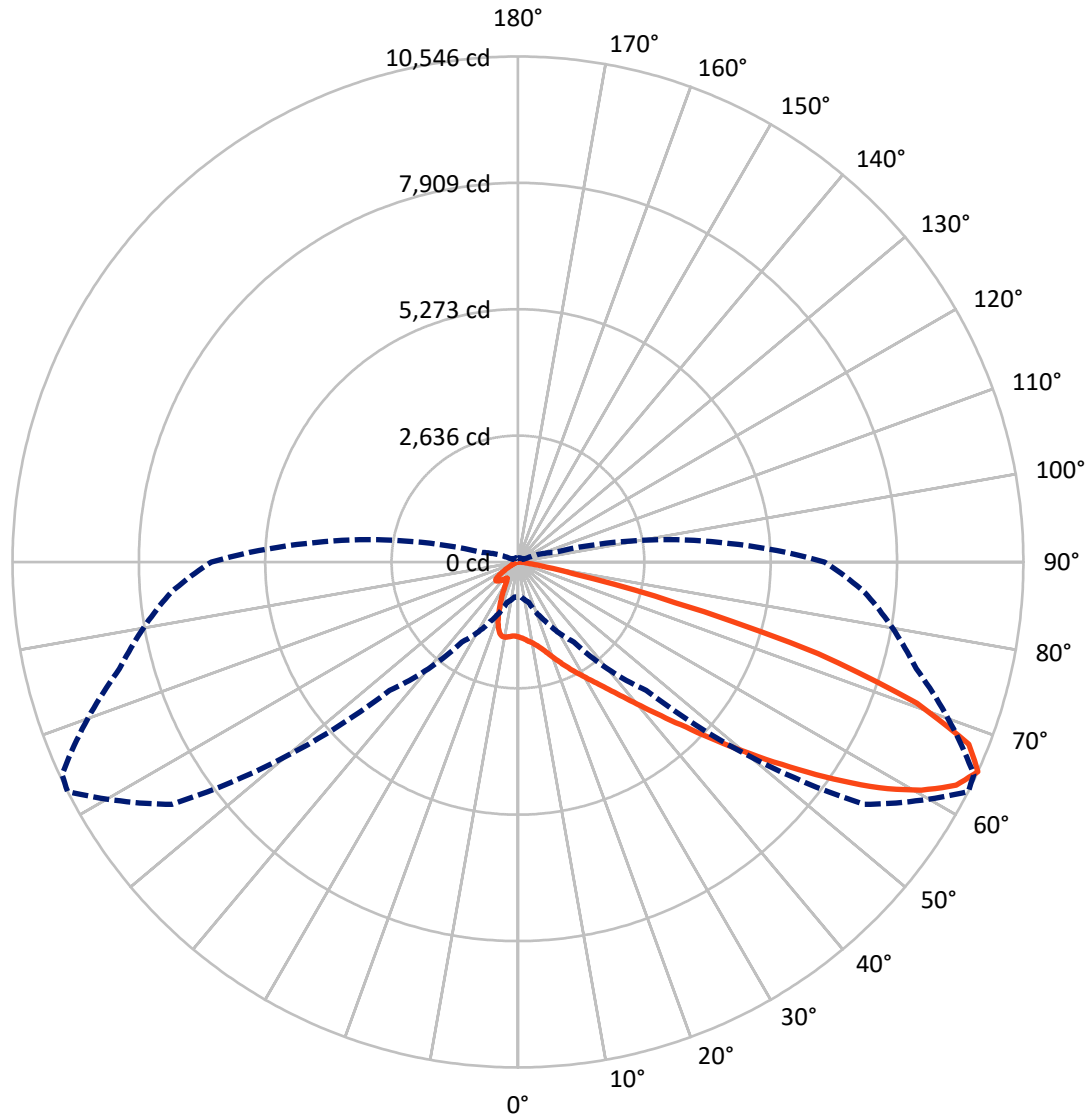
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1860.0	0.0	1860.0
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	10794.0	0.0	10794.0
	% Fixture	85.3	0.0	85.3
Total	Lumens	12654.0	0.0	12654.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.1	1.2
10°-20°	408.3	3.2
20°-30°	710.9	5.6
30°-40°	1281.3	10.1
40°-50°	2541.3	20.1
50°-60°	3461.7	27.4
60°-70°	2763.1	21.8
70°-80°	1250.4	9.9
80°-90°	89.9	0.7
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°	12654.0	100.0
0°-180°	12654.0	100.0

Coefficient of Utilization



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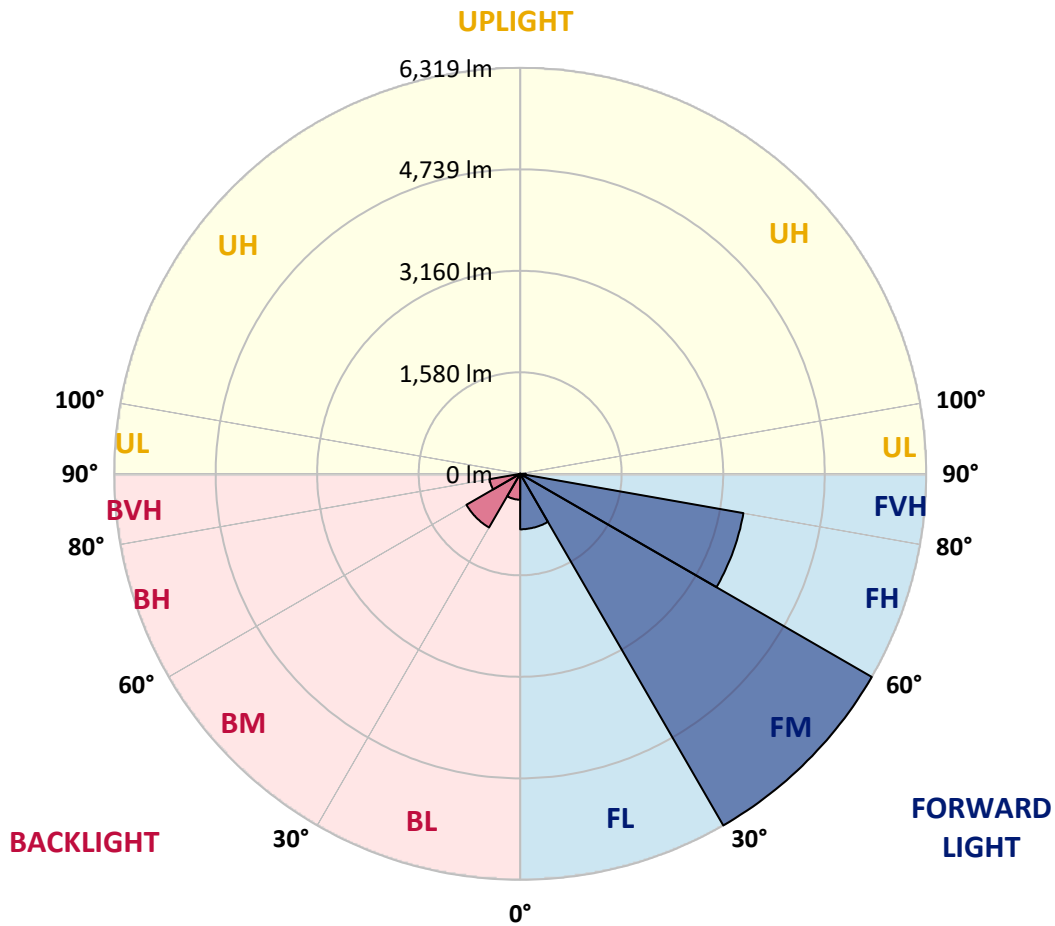
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	863.8	6.8			
FM (30°-60°)	6319.1	49.9			
FH (60°-80°)	3527.9	27.9			G2/5000
FVH (80°-90°)	83.2	0.7			G1/100
BL (0°-30°)	402.5	3.2	B1/500		
BM (30°-60°)	965.2	7.6	B1/1000		
BH (60°-80°)	485.6	3.8	B1/500		G1/500
BVH (80°-90°)	6.7	0.1			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7
2.5°	1598.3	1594.0	1600.0	1597.4	1595.7	1592.2	1590.5	1588.7	1585.2	1582.6
5°	1602.7	1600.0	1606.1	1611.4	1616.6	1621.8	1624.4	1627.9	1624.4	1617.5
7.5°	1566.1	1564.4	1577.4	1593.1	1616.6	1636.6	1658.4	1670.6	1671.4	1668.8
10°	1563.5	1559.1	1572.2	1591.3	1621.8	1657.5	1695.8	1721.9	1725.4	1736.7
12.5°	1604.4	1600.0	1618.3	1639.2	1670.6	1708.0	1755.0	1791.6	1796.8	1812.5
15°	1673.2	1667.1	1688.0	1715.0	1755.0	1797.7	1847.3	1880.4	1884.7	1903.9
17.5°	1753.3	1747.2	1771.5	1800.3	1843.8	1902.1	1959.6	1996.1	2001.4	2013.6
20°	1856.0	1848.1	1867.3	1893.4	1939.6	2009.2	2078.0	2130.2	2129.3	2129.3
22.5°	1975.2	1963.1	1979.6	2000.5	2044.0	2128.5	2219.9	2281.7	2281.7	2257.3
25°	2103.2	2091.0	2109.3	2128.5	2166.8	2262.5	2369.6	2446.2	2449.7	2407.9
27.5°	2263.4	2247.7	2261.7	2284.3	2306.9	2404.4	2531.5	2620.3	2622.1	2557.6
30°	2571.6	2527.2	2483.6	2459.3	2469.7	2566.3	2702.1	2800.5	2809.2	2720.4
32.5°	3135.7	3127.0	2973.8	2773.5	2669.1	2740.4	2892.8	3011.2	3016.4	2902.4
35°	4012.3	4001.9	3755.5	3374.2	3033.8	2973.8	3124.4	3264.5	3261.0	3132.2
37.5°	5058.7	5049.1	4724.4	4214.3	3663.2	3326.3	3422.9	3570.1	3591.8	3422.9
40°	5952.7	5917.0	5711.6	5219.7	4498.9	3911.3	3847.8	3945.3	3967.9	3767.7
42.5°	6630.0	6599.5	6495.1	6187.8	5510.5	4776.6	4348.3	4385.8	4411.0	4170.7
45°	6980.8	6973.9	7015.7	6986.9	6541.2	5838.7	5063.9	4908.1	4917.7	4617.3
47.5°	7030.5	7027.0	7217.6	7487.5	7427.4	7036.5	5982.3	5559.2	5525.3	5121.4
50°	6738.0	6731.0	7096.6	7602.4	8019.4	8042.9	7025.2	6293.1	6218.2	5642.8
52.5°	5803.9	5802.1	6402.8	7244.6	8227.4	8923.9	8055.9	7099.2	6973.9	6194.7
55°	4465.9	4498.1	5186.7	6181.7	7847.9	9347.8	8981.3	7994.1	7801.7	6750.1
57.5°	3163.5	3210.5	3891.3	4777.5	6670.9	9097.1	9607.2	8890.8	8683.6	7303.8
60°	1699.3	1741.1	2422.7	3480.4	4962.9	8162.2	9937.2	9669.1	9473.2	7829.6
62.5°	1012.4	1026.4	1308.4	2246.9	3356.8	6235.7	9797.0	10261.9	10100.8	8271.0
65°	726.9	729.5	871.4	1372.0	2037.9	3788.6	8814.2	10545.7	10496.1	8603.5
67.5°	612.0	610.2	669.4	911.5	1388.5	1897.8	6755.4	10144.4	10355.0	8814.2
70°	524.9	527.5	597.2	667.7	1043.8	1074.2	3358.5	8832.5	9281.7	8869.9
72.5°	390.9	399.6	464.0	608.5	787.8	739.1	1159.6	6549.0	7361.3	8357.2
75°	276.0	280.3	326.5	511.9	587.6	538.0	592.0	3385.5	4426.7	6407.1
77.5°	212.4	220.2	247.2	357.8	578.9	377.8	362.1	1171.7	1800.3	3870.4
80°	114.9	128.8	178.5	258.5	406.5	267.3	179.3	466.6	610.2	1809.8
82.5°	59.2	66.2	124.5	186.3	231.6	233.3	88.8	194.1	251.6	558.9
85°	23.5	28.7	83.6	102.7	119.3	114.9	40.0	78.3	90.5	155.0
87.5°	5.2	8.7	30.5	23.5	22.6	24.4	9.6	18.3	17.4	18.3
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°
1561.7	0°	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7	1561.7
1572.2	2.5°	1571.3	1567.8	1558.3	1547.8	1535.6	1528.7	1524.3	1523.4	1517.3	1513.0
1607.0	5°	1597.4	1594.0	1575.7	1553.9	1530.4	1512.1	1494.7	1479.0	1456.4	1452.1
1657.5	7.5°	1649.7	1640.1	1610.5	1580.9	1536.5	1483.4	1419.0	1345.0	1278.8	1258.8
1724.5	10°	1714.1	1701.0	1663.6	1611.4	1513.0	1368.5	1212.7	1068.1	953.2	921.0
1803.8	12.5°	1787.2	1775.9	1726.3	1629.6	1414.6	1152.6	914.1	734.7	623.3	595.4
1888.2	15°	1874.3	1857.7	1789.0	1601.8	1238.8	875.8	627.7	521.5	481.4	476.2
1984.8	17.5°	1966.5	1939.6	1844.7	1501.7	1002.0	622.4	484.9	454.4	437.0	431.8
2082.3	20°	2051.0	2016.2	1877.7	1350.2	748.7	484.9	434.4	414.4	398.7	392.6
2179.8	22.5°	2135.4	2085.8	1877.7	1143.9	561.5	430.0	398.7	380.4	362.1	354.3
2284.3	25°	2223.4	2157.2	1844.7	914.1	451.8	394.4	364.8	344.7	329.1	319.5
2383.5	27.5°	2308.7	2217.3	1768.9	696.4	402.2	363.0	333.4	314.3	299.5	292.5
2491.5	30°	2389.6	2276.5	1662.7	528.4	370.0	332.5	304.7	288.1	273.3	266.4
2631.6	32.5°	2499.3	2351.3	1549.6	433.5	342.1	303.8	278.6	262.9	249.8	244.6
2813.6	35°	2651.7	2461.9	1452.1	425.7	318.6	280.3	255.1	240.3	227.2	222.9
3048.6	37.5°	2867.5	2640.3	1400.7	477.9	299.5	259.4	235.9	220.2	208.1	204.6
3347.2	40°	3133.9	2882.3	1428.6	530.2	286.4	241.1	218.5	202.8	192.4	188.0
3690.2	42.5°	3449.9	3180.9	1582.6	570.2	277.7	225.5	202.0	184.6	177.6	175.8
4079.3	45°	3813.0	3509.1	1818.6	612.9	263.8	210.7	185.4	172.4	167.1	166.3
4502.4	47.5°	4225.6	3869.5	2091.9	666.0	249.8	196.7	172.4	163.7	159.3	157.6
4943.8	50°	4634.7	4232.5	2373.1	695.6	238.5	183.7	161.9	155.0	151.5	150.6
5410.4	52.5°	5063.0	4606.0	2600.3	667.7	229.0	173.2	153.2	148.0	144.5	143.6
5840.4	55°	5471.3	4908.1	2639.5	566.7	209.8	162.8	143.6	141.0	136.7	136.7
6276.6	57.5°	5823.0	5059.6	2362.6	416.1	190.6	147.1	134.1	131.5	128.0	127.1
6670.1	60°	6146.0	5016.0	1823.8	280.3	169.8	131.5	121.9	120.1	116.7	112.3
7012.2	62.5°	6327.9	4824.5	1247.5	182.8	148.9	114.9	107.9	107.1	99.2	90.5
7265.5	65°	6396.7	4431.0	778.3	133.2	124.5	98.4	93.1	91.4	80.1	70.5
7409.1	67.5°	6336.6	3783.4	392.6	105.3	98.4	81.8	76.6	76.6	68.8	60.1
7400.4	70°	6096.4	2836.2	165.4	84.4	75.7	62.7	62.7	66.2	58.3	48.8
7016.5	72.5°	5574.9	1908.2	87.9	64.4	56.6	44.4	51.4	54.0	46.1	36.6
5742.9	75°	4431.9	1163.9	60.9	47.9	35.7	31.3	39.2	40.9	31.3	24.4
3937.4	77.5°	3031.2	668.6	40.9	30.5	22.6	18.3	27.0	25.2	16.5	11.3
1518.2	80°	1331.1	278.6	23.5	13.9	8.7	7.0	9.6	7.0	5.2	3.5
208.1	82.5°	155.8	65.3	8.7	5.2	3.5	1.7	0.9	0.0	0.0	0.0
63.5	85°	32.2	7.8	4.4	1.7	0.9	0.0	0.0	0.0	0.0	0.0
11.3	87.5°	6.1	1.7	0.9	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>
1561.7
1517.3
1450.3
1249.2
908.8
587.6
471.0
429.2
389.1
350.0
316.0
292.5
267.3
244.6
222.9
203.7
187.2
175.8
165.4
157.6
150.6
143.6
135.8
126.2
111.4
88.8
69.6
59.2
47.9
36.6
23.5
12.2
3.5
0.0
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