

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: P942238

Luminaire Tested: **GALN-SB6A-927-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
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-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12537 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

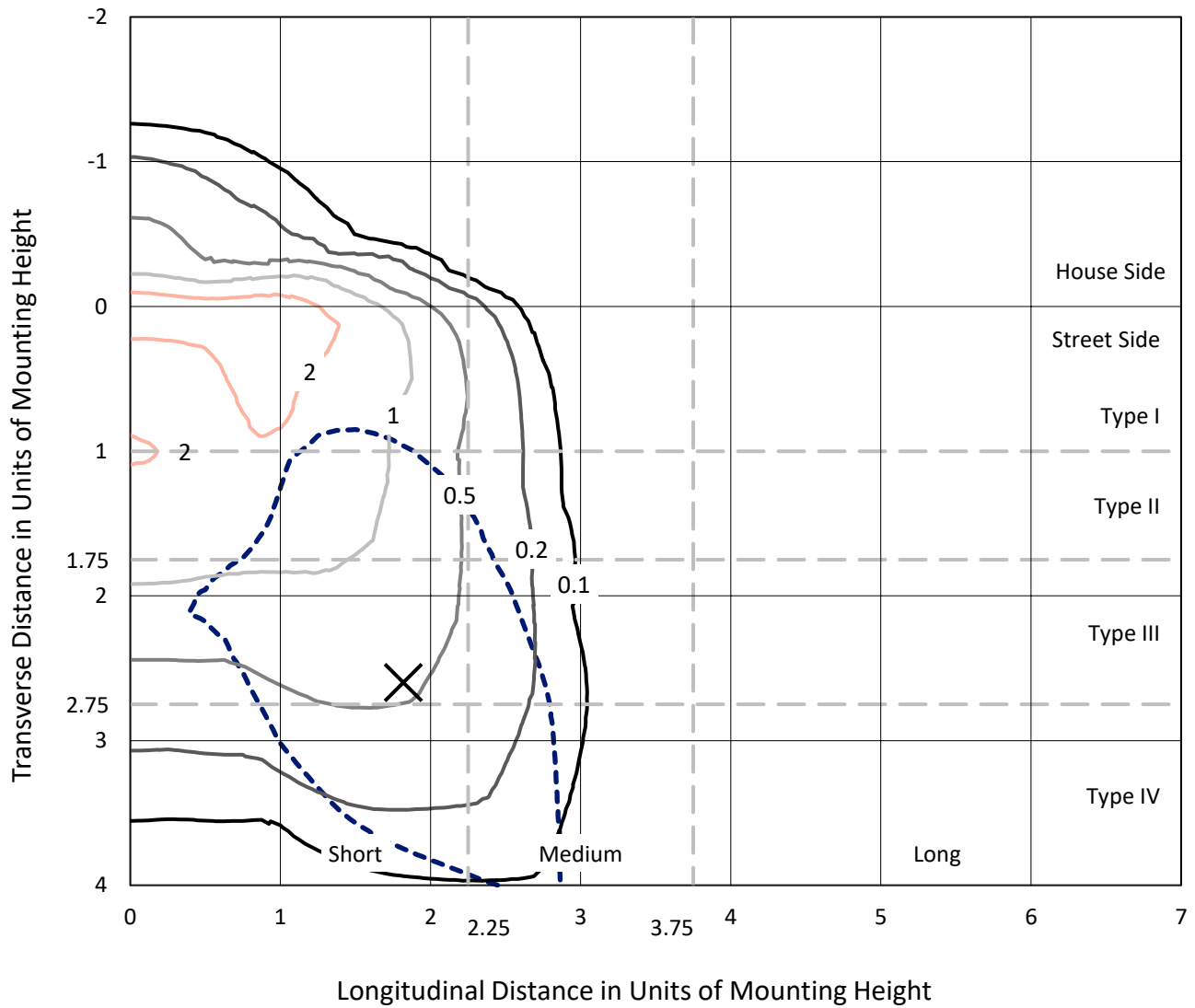
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

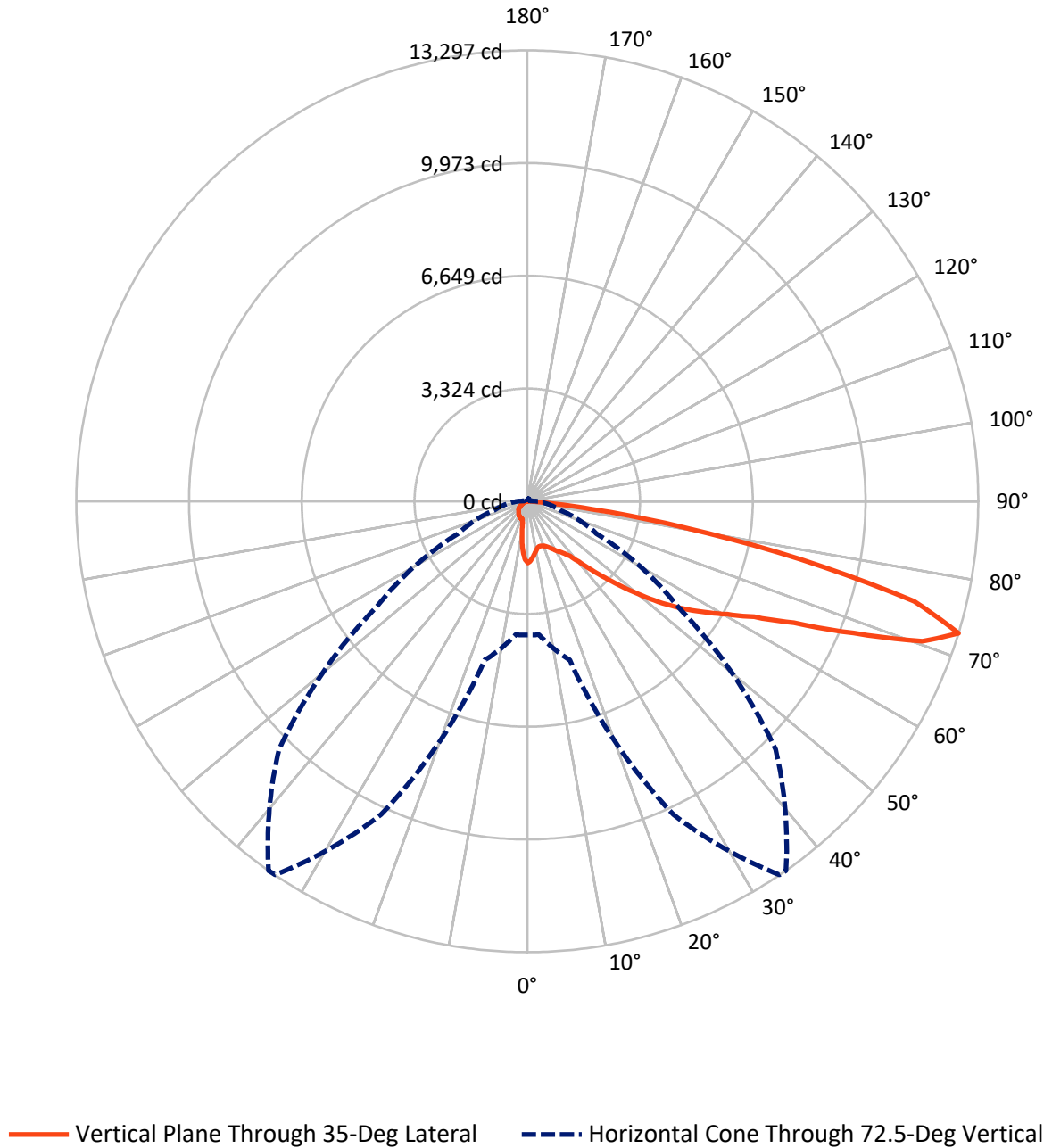
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	1411.0	0.0	1411.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	11126.0	0.0	11126.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	12537.0	0.0	12537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.3	1.2
10°-20°	349.3	2.8
20°-30°	567.4	4.5
30°-40°	946.7	7.6
40°-50°	1791.3	14.3
50°-60°	2846.3	22.7
60°-70°	3521.1	28.1
70°-80°	2188.7	17.5
80°-90°	176.9	1.4
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°	12537.0	100.0
0°-180°	12537.0	100.0

Coefficient of Utilization



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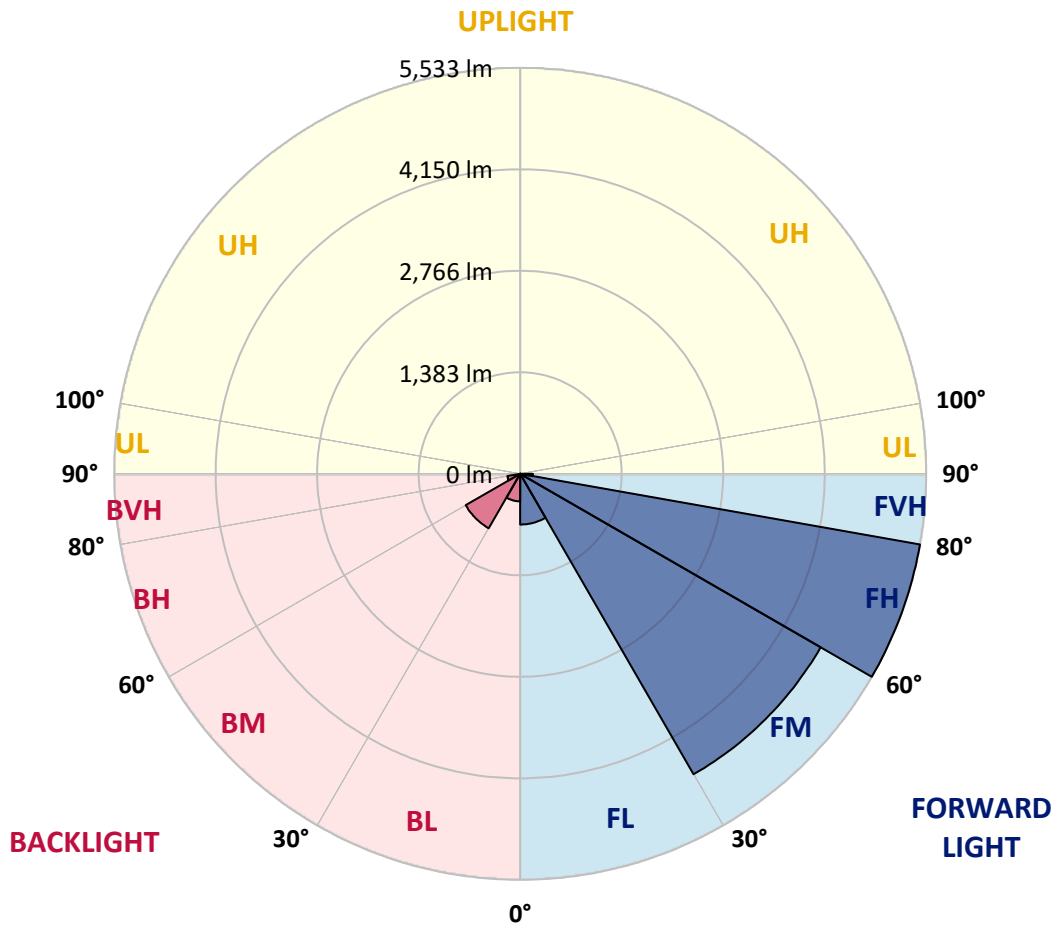
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	691.1	5.5			
FM (30°-60°)	4727.7	37.7			
FH (60°-80°)	5532.7	44.1			G3/7500
FVH (80°-90°)	174.5	1.4			G2/225
BL (0°-30°)	374.9	3.0	B1/500		
BM (30°-60°)	856.6	6.8	B1/1000		
BH (60°-80°)	177.1	1.4	B1/500		G1/500
BVH (80°-90°)	2.4	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1817.0	1817.0	1817.0	1817.0	1817.0	1817.0	1817.0	1817.0	1817.0	1817.0
2.5°	1736.2	1750.9	1753.6	1758.2	1758.2	1763.8	1772.9	1785.8	1806.9	1818.0
5°	1600.2	1611.3	1625.0	1636.1	1657.2	1659.9	1695.8	1730.7	1779.4	1816.1
7.5°	1463.4	1476.2	1494.6	1521.2	1548.8	1557.1	1611.3	1670.1	1747.2	1816.1
10°	1366.9	1367.8	1384.4	1411.0	1455.1	1465.2	1531.3	1614.9	1711.4	1805.1
12.5°	1312.7	1319.1	1326.5	1346.7	1389.0	1395.4	1466.1	1564.4	1675.6	1798.7
15°	1312.7	1317.3	1321.9	1332.0	1366.0	1371.5	1434.0	1532.3	1657.2	1801.4
17.5°	1326.5	1333.8	1330.2	1342.1	1377.9	1381.6	1436.7	1523.1	1656.3	1818.9
20°	1359.6	1365.1	1357.7	1365.1	1400.9	1408.2	1465.2	1540.5	1671.9	1849.2
22.5°	1411.9	1414.7	1397.2	1402.7	1439.5	1448.7	1514.8	1590.1	1709.6	1897.9
25°	1478.1	1483.6	1456.9	1463.4	1498.3	1509.3	1585.5	1664.5	1769.3	1964.9
27.5°	1554.3	1557.1	1534.1	1533.2	1578.2	1593.8	1671.0	1756.4	1849.2	2049.4
30°	1641.6	1649.8	1627.8	1624.1	1681.1	1693.9	1770.2	1869.4	1966.8	2176.2
32.5°	1710.5	1716.9	1704.0	1713.2	1771.1	1781.2	1890.5	2029.2	2151.4	2356.3
35°	1809.7	1813.4	1784.0	1800.5	1866.6	1892.4	2055.0	2253.4	2383.8	2582.2
37.5°	2168.9	2168.9	2043.9	1962.2	2025.6	2048.5	2280.0	2535.4	2670.4	2885.4
40°	2665.8	2657.6	2474.8	2307.6	2299.3	2344.3	2600.6	2890.9	3040.6	3249.2
42.5°	3195.9	3183.0	2934.1	2768.7	2741.2	2756.8	2970.8	3329.1	3481.6	3692.9
45°	3666.2	3662.5	3434.7	3212.4	3162.8	3212.4	3432.9	3841.7	3951.0	4173.3
47.5°	4060.3	4060.3	3894.0	3748.9	3723.2	3752.6	4058.5	4410.3	4400.2	4685.0
50°	4514.1	4510.4	4352.4	4290.0	4316.6	4357.9	4778.7	5009.2	4865.0	5187.5
52.5°	4831.9	4854.0	4799.8	4789.7	4925.6	4997.3	5509.9	5595.3	5281.2	5664.2
55°	5083.6	5109.4	5171.8	5242.6	5504.4	5598.1	6218.1	6151.1	5629.3	6077.6
57.5°	5440.1	5403.3	5499.8	5639.4	6062.9	6175.9	6904.4	6675.6	5909.5	6412.9
60°	5872.7	5878.3	5894.8	6071.2	6620.5	6765.6	7580.5	7171.7	6089.5	6618.7
62.5°	6392.7	6400.9	6434.9	6705.9	7369.2	7506.0	8300.7	7577.7	6172.2	6560.8
65°	6356.9	6391.8	6771.2	7698.0	8507.3	8642.4	9141.2	7862.5	6047.3	6031.7
67.5°	5791.0	5847.9	6482.7	8883.1	10223.3	10374.0	10157.2	7918.5	5508.0	4690.5
70°	5048.7	5068.9	5832.3	9948.7	12210.3	12362.8	11066.6	7302.1	4179.7	2616.2
72.5°	3942.7	3947.3	4843.0	10195.8	13288.8	13297.0	10352.9	5420.8	2247.9	1005.0
75°	2816.5	2788.9	3243.6	8268.5	11691.3	11785.0	7761.4	2542.7	858.9	474.9
77.5°	1510.2	1540.5	1835.4	4903.6	8076.5	8236.4	4234.8	733.1	437.3	323.4
80°	466.7	492.4	752.4	2245.1	4574.7	4671.2	1569.9	326.1	305.0	230.6
82.5°	147.0	152.5	350.9	943.4	1898.8	1942.9	454.7	184.6	208.5	152.5
85°	42.3	43.2	156.2	351.8	469.4	478.6	127.7	71.7	119.4	94.6
87.5°	4.6	14.7	58.8	58.8	41.3	40.4	13.8	15.6	34.0	11.9
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°
1817.0	0°	1817.0	1817.0	1817.0	1817.0	1817.0	1817.0	1817.0	1817.0	1817.0	1817.0
1825.3	2.5°	1820.7	1821.6	1809.7	1789.5	1767.4	1749.1	1726.1	1707.7	1694.9	1691.2
1841.8	5°	1833.6	1827.1	1793.1	1731.6	1658.1	1594.7	1524.0	1468.0	1431.2	1415.6
1859.3	7.5°	1852.9	1834.5	1760.1	1638.8	1498.3	1373.3	1246.6	1148.3	1085.8	1054.6
1875.8	10°	1869.4	1832.6	1705.0	1504.7	1289.7	1100.5	929.6	811.1	745.0	713.8
1895.1	12.5°	1885.0	1831.7	1633.3	1345.8	1054.6	823.1	664.2	605.4	587.0	580.6
1926.3	15°	1914.4	1834.5	1543.3	1163.9	820.3	621.9	564.0	563.1	566.8	565.0
1974.1	17.5°	1954.8	1837.2	1441.3	971.0	632.9	548.4	545.7	553.9	559.4	556.7
2033.8	20°	2007.2	1848.3	1332.9	779.9	543.8	530.0	536.5	543.8	548.4	543.8
2113.7	22.5°	2080.7	1867.6	1214.4	626.5	515.3	519.0	524.5	532.8	537.4	531.0
2215.7	25°	2170.7	1897.9	1097.8	544.7	501.6	506.2	514.4	523.6	529.1	522.7
2344.3	27.5°	2287.4	1946.6	990.3	526.4	487.8	490.5	502.5	516.3	523.6	515.3
2527.1	30°	2456.4	2026.5	897.5	534.6	479.5	473.1	489.6	508.9	517.2	509.8
2776.1	32.5°	2680.5	2139.5	840.5	547.5	475.8	452.9	468.5	493.3	507.1	502.5
3101.3	35°	2974.5	2311.2	818.5	562.2	473.1	431.8	442.8	469.4	493.3	497.9
3511.0	37.5°	3330.9	2550.1	824.9	568.6	464.8	414.3	419.8	442.8	474.0	488.7
3972.1	40°	3736.0	2828.4	861.7	562.2	455.6	399.6	400.5	418.0	445.5	467.6
4468.2	42.5°	4154.0	3153.6	929.6	538.3	447.4	386.7	384.0	395.9	414.3	429.9
4963.3	45°	4551.8	3488.0	996.7	505.2	437.3	373.9	367.4	372.0	375.7	382.1
5445.6	47.5°	4899.0	3723.2	977.4	474.9	423.5	359.2	348.2	346.3	335.3	334.4
5876.4	50°	5138.8	3774.6	868.1	444.6	403.3	342.6	325.2	314.2	294.9	285.7
6198.9	52.5°	5215.0	3571.6	709.2	414.3	370.2	320.6	295.8	278.3	254.5	246.2
6384.4	55°	5114.0	3173.8	566.8	377.6	324.3	291.2	263.6	240.7	221.4	211.3
6404.6	57.5°	4866.9	2667.7	448.3	334.4	275.6	258.1	230.6	207.6	191.1	181.0
6180.5	60°	4457.1	2118.3	354.6	282.9	235.2	222.3	193.8	179.1	164.4	152.5
5601.7	62.5°	3835.2	1512.0	278.3	224.1	196.6	181.9	165.4	154.3	136.9	120.3
4561.0	65°	2992.9	925.1	215.0	164.4	158.0	150.7	140.5	130.4	109.3	92.8
2975.4	67.5°	1887.8	438.2	153.4	124.0	124.9	121.3	116.7	108.4	92.8	78.1
1332.9	70°	831.4	212.2	101.0	94.6	92.8	92.8	96.5	93.7	79.0	65.2
463.0	72.5°	282.9	113.9	75.3	71.7	67.1	66.1	80.8	78.1	63.4	50.5
230.6	75°	147.9	76.2	55.1	51.4	40.4	48.7	64.3	60.6	45.0	33.1
152.5	77.5°	96.5	54.2	37.7	33.1	23.0	32.2	47.8	42.3	26.6	16.5
100.1	80°	60.6	35.8	22.0	15.6	11.0	17.5	25.7	18.4	10.1	3.7
58.8	82.5°	32.2	18.4	8.3	5.5	4.6	5.5	6.4	4.6	1.8	0.0
30.3	85°	12.9	6.4	2.8	1.8	0.9	0.0	1.8	0.9	0.0	0.0
5.5	87.5°	4.6	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>
1817.0
1697.6
1421.1
1059.2
714.7
578.7
564.0
555.8
542.9
530.0
521.8
515.3
508.9
502.5
497.9
492.4
474.9
436.3
385.8
333.5
286.6
245.3
211.3
179.1
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