

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: P940537

Luminaire Tested: **GALN-SB3C-927-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13687 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

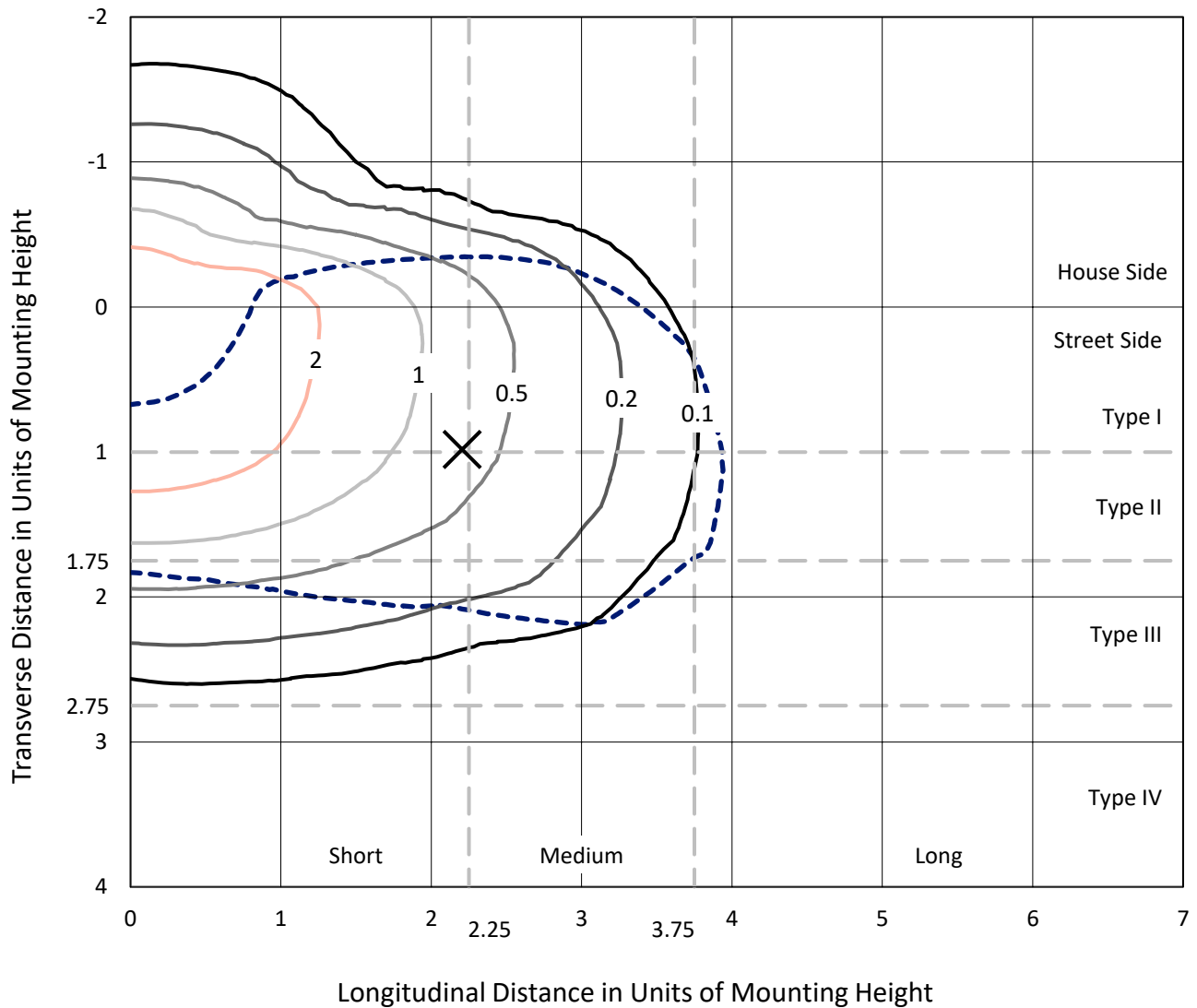
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

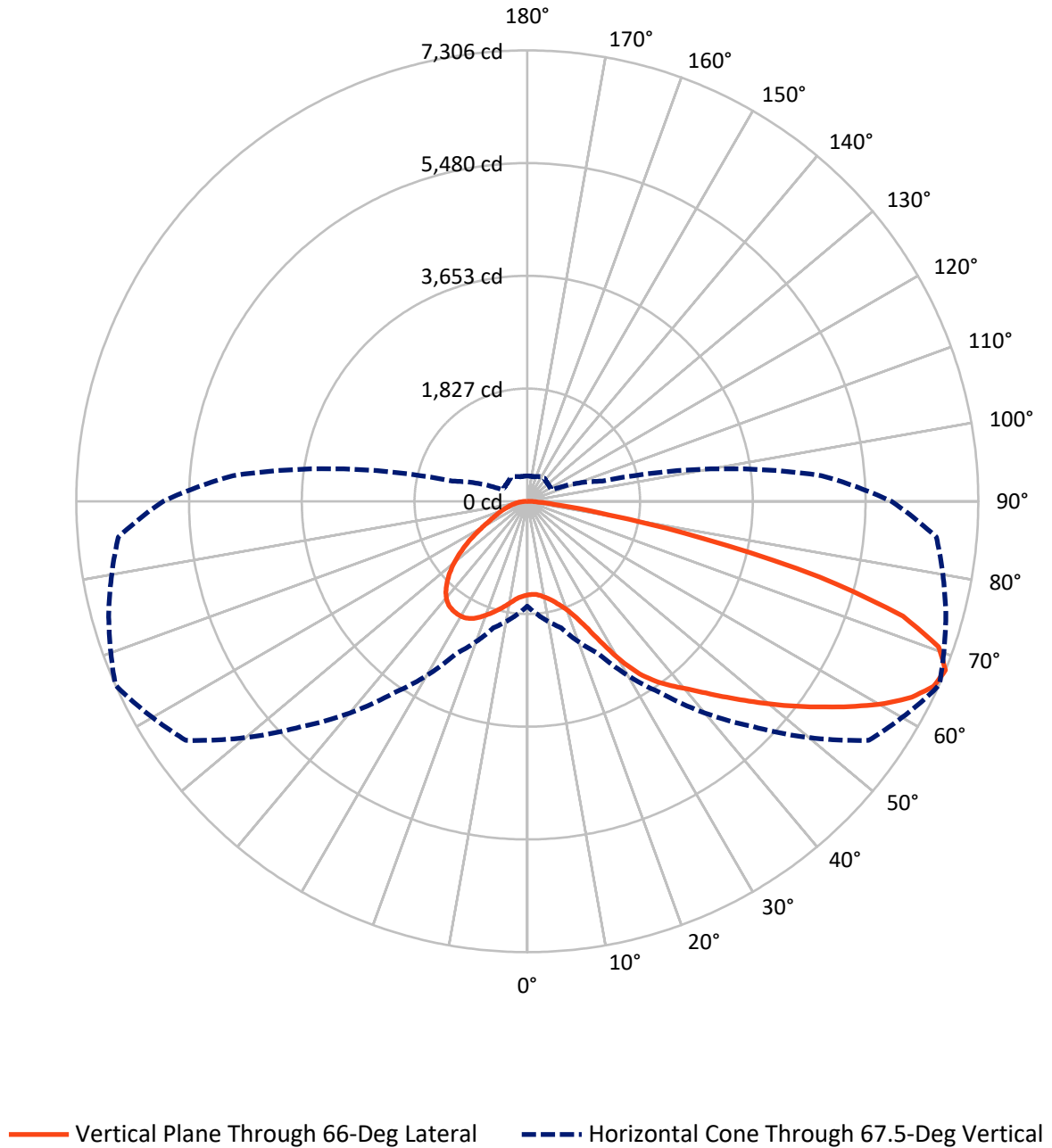
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3403.2	0.0	3403.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	10283.8	0.0	10283.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	13687.0	0.0	13687.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	1.1
10°-20°	497.3	3.6
20°-30°	958.5	7.0
30°-40°	1680.5	12.3
40°-50°	2498.4	18.3
50°-60°	3167.0	23.1
60°-70°	3098.8	22.6
70°-80°	1478.1	10.8
80°-90°	158.0	1.2
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°	13687.0	100.0
0°-180°	13687.0	100.0

Coefficient of Utilization



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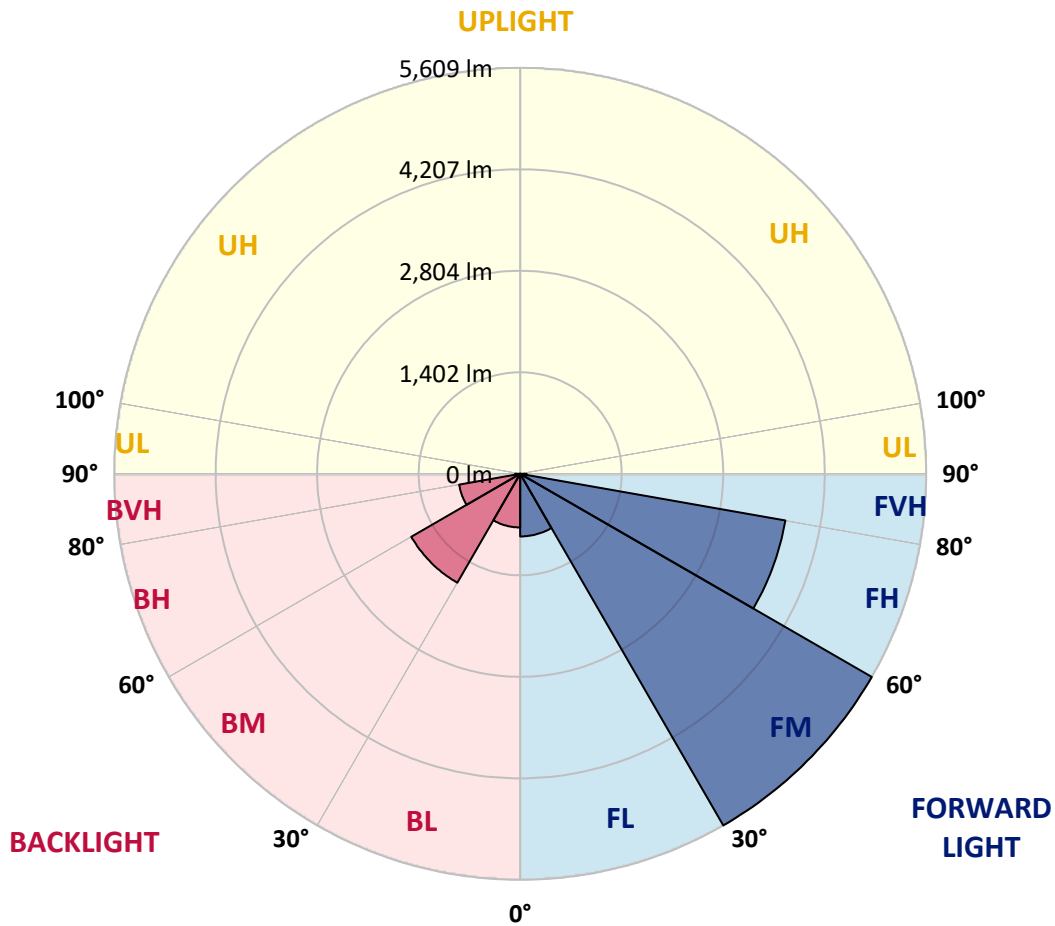
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	864.9	6.3			
FM (30°-60°)	5608.8	41.0			
FH (60°-80°)	3720.5	27.2			G2/5000
FVH (80°-90°)	89.6	0.7			G1/100
BL (0°-30°)	741.3	5.4	B2/1000		
BM (30°-60°)	1737.1	12.7	B2/2500		
BH (60°-80°)	856.4	6.3	B2/1000		G2/1000
BVH (80°-90°)	68.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1
2.5°	1502.2	1510.9	1508.7	1505.1	1504.4	1505.8	1508.0	1510.2	1509.4	1513.0
5°	1497.9	1506.6	1505.8	1505.8	1508.7	1514.5	1518.1	1521.7	1518.1	1522.4
7.5°	1500.8	1507.3	1510.2	1513.0	1520.2	1531.0	1539.6	1547.6	1543.2	1548.3
10°	1537.5	1542.5	1545.4	1545.4	1550.4	1562.7	1571.3	1585.7	1582.1	1590.0
12.5°	1604.4	1609.4	1609.4	1606.5	1610.1	1618.0	1620.9	1636.7	1630.3	1643.2
15°	1686.3	1696.4	1688.5	1683.5	1684.9	1692.8	1692.1	1704.3	1697.8	1708.6
17.5°	1777.0	1789.9	1777.0	1776.2	1773.4	1782.0	1782.7	1793.5	1782.0	1789.9
20°	1884.1	1902.1	1891.3	1894.9	1888.4	1892.0	1895.6	1911.4	1893.5	1899.2
22.5°	2035.1	2056.7	2045.2	2058.8	2054.5	2051.7	2050.9	2079.0	2050.9	2053.1
25°	2255.2	2281.1	2260.9	2279.6	2279.6	2289.0	2299.8	2335.7	2289.0	2275.3
27.5°	2580.2	2606.1	2566.6	2578.1	2574.5	2597.5	2586.0	2675.1	2624.8	2602.5
30°	2971.4	3017.4	2942.7	2939.8	2936.2	2972.9	2989.4	3048.4	2997.3	2975.0
32.5°	3394.3	3442.4	3353.3	3327.4	3313.7	3336.0	3322.3	3369.8	3334.6	3300.1
35°	3841.6	3889.0	3804.2	3753.8	3699.2	3652.4	3603.5	3615.8	3582.7	3530.2
37.5°	4264.4	4351.4	4261.5	4207.6	4106.9	4015.6	3879.0	3822.1	3791.2	3743.0
40°	4695.2	4744.8	4676.5	4630.4	4521.1	4378.0	4159.4	4039.3	3997.6	3950.9
42.5°	5012.3	5059.8	5023.1	4991.4	4905.9	4739.7	4457.1	4306.8	4246.4	4193.9
45°	5264.0	5299.2	5276.2	5287.7	5251.0	5090.0	4765.6	4593.8	4531.2	4467.2
47.5°	5365.4	5402.8	5439.4	5507.8	5570.3	5451.7	5097.1	4904.4	4838.3	4772.8
50°	5353.9	5392.0	5498.4	5643.7	5837.8	5798.3	5446.6	5235.2	5174.1	5099.3
52.5°	5261.8	5305.0	5441.6	5683.2	5992.5	6057.9	5802.6	5576.8	5519.3	5430.1
55°	5020.2	5046.1	5251.0	5593.3	6029.1	6239.1	6151.4	5940.7	5883.1	5758.7
57.5°	4572.2	4609.6	4908.0	5351.0	5937.1	6362.1	6457.7	6323.3	6267.9	6088.8
60°	3987.5	4047.2	4388.8	4944.0	5702.6	6361.4	6736.0	6699.4	6653.3	6413.9
62.5°	3325.9	3395.0	3723.6	4368.7	5292.7	6180.9	6910.1	7014.3	6990.6	6713.7
65°	2554.3	2601.8	2929.0	3624.4	4654.9	5793.3	6930.2	7229.3	7233.7	6941.7
67.5°	1700.7	1837.4	2121.4	2719.7	3800.6	5159.7	6753.3	7264.6	7306.3	7020.1
70°	829.9	1009.6	1287.9	1767.6	2719.7	4188.2	6290.9	6975.5	7068.3	6791.4
72.5°	344.5	402.7	554.4	872.3	1561.2	2826.2	5361.8	6191.7	6363.5	6017.6
75°	232.3	251.7	317.1	447.3	711.2	1393.7	3866.7	4616.8	4893.6	4544.9
77.5°	179.1	191.3	230.8	312.8	422.8	527.1	2069.6	2782.3	2925.4	2708.2
80°	140.9	150.3	172.6	228.0	299.9	281.9	705.5	1260.6	1343.3	1126.9
82.5°	122.3	125.8	123.7	154.6	199.2	164.7	231.6	465.3	513.5	372.5
85°	88.5	98.5	102.8	95.6	105.7	83.4	94.9	164.7	181.2	161.8
87.5°	36.0	53.2	65.4	61.8	38.8	23.7	29.5	48.2	55.4	60.4
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°
1518.1	0°	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1	1518.1
1518.8	2.5°	1519.5	1524.5	1528.1	1532.5	1535.3	1539.6	1548.3	1553.3	1554.0	1557.6
1530.3	5°	1533.2	1540.4	1548.3	1559.8	1572.7	1583.5	1600.0	1611.6	1615.9	1619.5
1558.3	7.5°	1562.7	1572.7	1587.1	1607.2	1625.9	1640.3	1660.5	1674.1	1687.8	1692.8
1602.9	10°	1606.5	1620.9	1641.8	1669.1	1689.2	1707.9	1728.8	1740.3	1753.9	1759.7
1656.1	12.5°	1661.2	1676.3	1703.6	1741.7	1760.4	1773.4	1780.5	1777.7	1780.5	1785.6
1720.1	15°	1723.7	1740.3	1771.2	1812.2	1825.1	1813.6	1797.8	1783.4	1781.3	1782.7
1797.8	17.5°	1797.8	1810.0	1846.0	1880.5	1871.2	1823.7	1789.2	1766.2	1754.7	1751.1
1897.0	20°	1901.4	1901.4	1930.8	1952.4	1889.9	1809.3	1755.4	1718.0	1694.3	1684.2
2032.2	22.5°	2027.2	2015.7	2034.4	2019.3	1886.3	1769.0	1694.3	1629.5	1593.6	1579.2
2221.4	25°	2186.9	2173.2	2168.2	2074.7	1860.4	1705.0	1583.5	1505.1	1473.5	1465.6
2493.9	27.5°	2427.8	2393.2	2327.8	2104.9	1812.9	1604.4	1454.1	1381.4	1363.5	1364.2
2844.1	30°	2748.5	2679.5	2519.1	2109.9	1735.2	1462.0	1321.7	1270.0	1261.3	1264.9
3138.3	32.5°	3045.5	2980.0	2714.7	2086.9	1615.9	1322.5	1203.1	1168.6	1155.6	1159.9
3362.6	35°	3278.5	3260.5	2895.9	2054.5	1469.2	1191.6	1096.7	1067.2	1042.0	1036.3
3574.0	37.5°	3498.5	3491.3	3031.8	2009.2	1323.9	1098.8	1011.1	972.3	935.6	915.4
3807.8	40°	3740.2	3733.0	3121.0	1939.5	1195.2	1018.3	934.1	883.1	837.8	801.1
4072.4	42.5°	4012.0	3969.6	3163.4	1839.5	1085.9	950.0	871.6	802.5	742.9	709.1
4371.6	45°	4309.0	4213.3	3162.7	1712.2	993.8	887.4	804.7	706.9	651.5	619.9
4678.6	47.5°	4624.0	4446.3	3123.9	1571.3	904.7	818.4	701.1	626.4	589.7	570.3
5012.3	50°	4949.0	4664.2	3057.7	1409.5	813.3	740.0	636.4	585.4	557.3	539.3
5343.1	52.5°	5254.6	4862.0	2977.9	1226.1	720.6	663.8	607.7	568.1	538.6	518.5
5663.8	55°	5538.7	5032.4	2865.0	1038.4	645.1	612.7	594.0	560.9	527.1	503.4
5989.6	57.5°	5791.1	5143.2	2670.1	862.2	591.1	577.5	579.6	548.7	509.9	489.7
6310.3	60°	6001.1	5224.4	2381.7	699.0	547.3	542.9	557.3	525.7	480.4	457.4
6581.4	62.5°	6126.9	5223.0	2027.9	572.4	509.9	511.3	527.8	496.9	450.9	429.3
6723.1	65°	6116.1	5095.0	1639.6	489.7	473.9	475.3	496.9	465.3	426.4	413.5
6651.9	67.5°	5899.7	4782.9	1257.7	435.8	434.4	440.8	466.0	443.7	411.3	409.9
6227.6	70°	5313.6	4135.0	906.1	392.6	393.4	402.7	435.8	430.0	403.4	406.3
5235.9	72.5°	4260.8	3152.6	608.4	347.3	348.1	363.2	407.0	419.2	395.5	433.6
3715.0	75°	2837.7	1966.1	391.2	299.2	299.9	319.3	381.9	398.4	373.9	432.2
1933.0	77.5°	1363.5	883.8	283.3	251.7	251.7	269.7	330.1	356.7	318.6	335.8
621.3	80°	471.0	332.2	222.9	202.8	198.5	210.7	278.3	309.2	274.7	253.1
202.8	82.5°	185.5	172.6	179.1	157.5	143.1	151.0	216.5	255.3	202.1	182.7
114.3	85°	106.4	112.2	126.6	104.3	82.7	92.8	158.9	183.4	152.5	134.5
37.4	87.5°	28.8	39.6	58.2	53.9	37.4	39.6	75.5	101.4	87.7	67.6
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>
1518.1
1556.9
1618.7
1693.5
1762.6
1787.0
1787.7
1756.1
1682.0
1577.0
1467.0
1366.3
1277.2
1165.7
1040.6
916.2
804.7
711.2
618.4
565.9
532.9
509.9
494.0
476.8
447.3
422.8
412.8
412.1
405.6
439.4
435.8
307.8
237.3
181.9
137.4
69.8
0.0

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