

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: P948756

Luminaire Tested: **GALN-SB3C-950-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
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-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15601 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

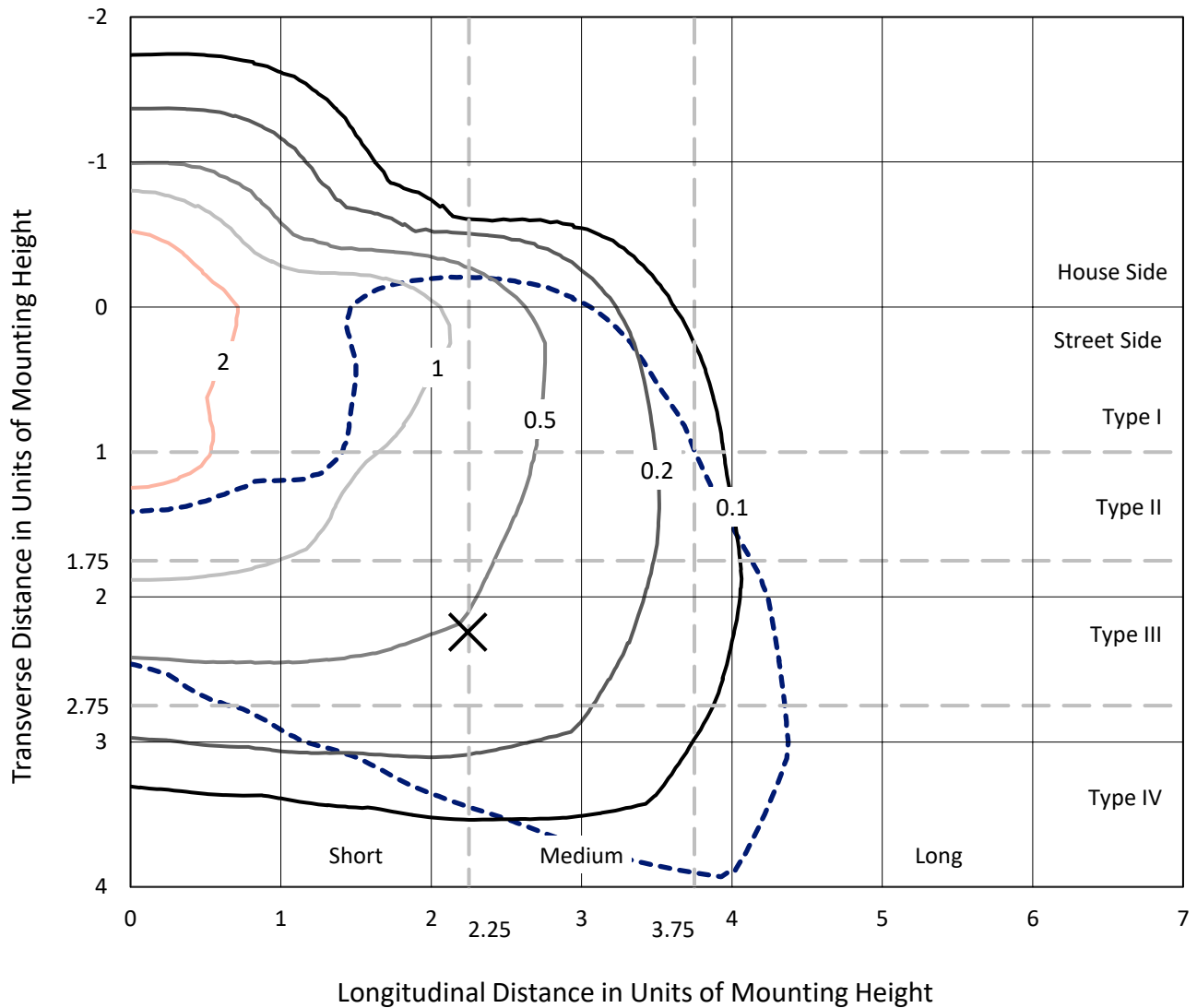
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

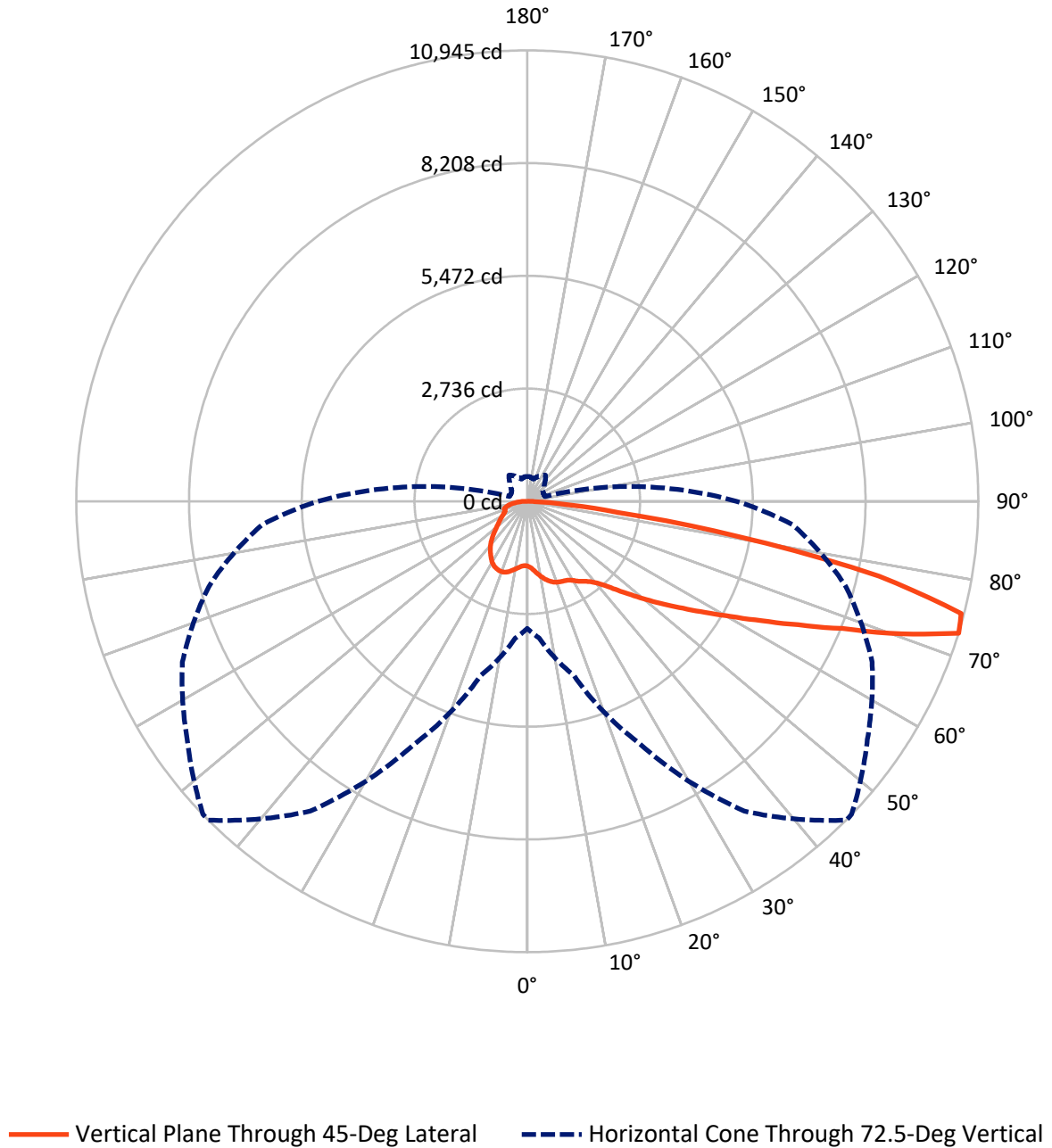
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	3526.9	0.0	3526.9
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	12074.2	0.0	12074.2
	% Fixture	77.4	0.0	77.4
Total	Lumens	15601.0	0.0	15601.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.2	1.0
10°-20°	534.1	3.4
20°-30°	929.1	6.0
30°-40°	1331.9	8.5
40°-50°	1875.3	12.0
50°-60°	2872.5	18.4
60°-70°	4161.2	26.7
70°-80°	3323.0	21.3
80°-90°	413.9	2.7
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°	15601.0	100.0
0°-180°	15601.0	100.0

Coefficient of Utilization



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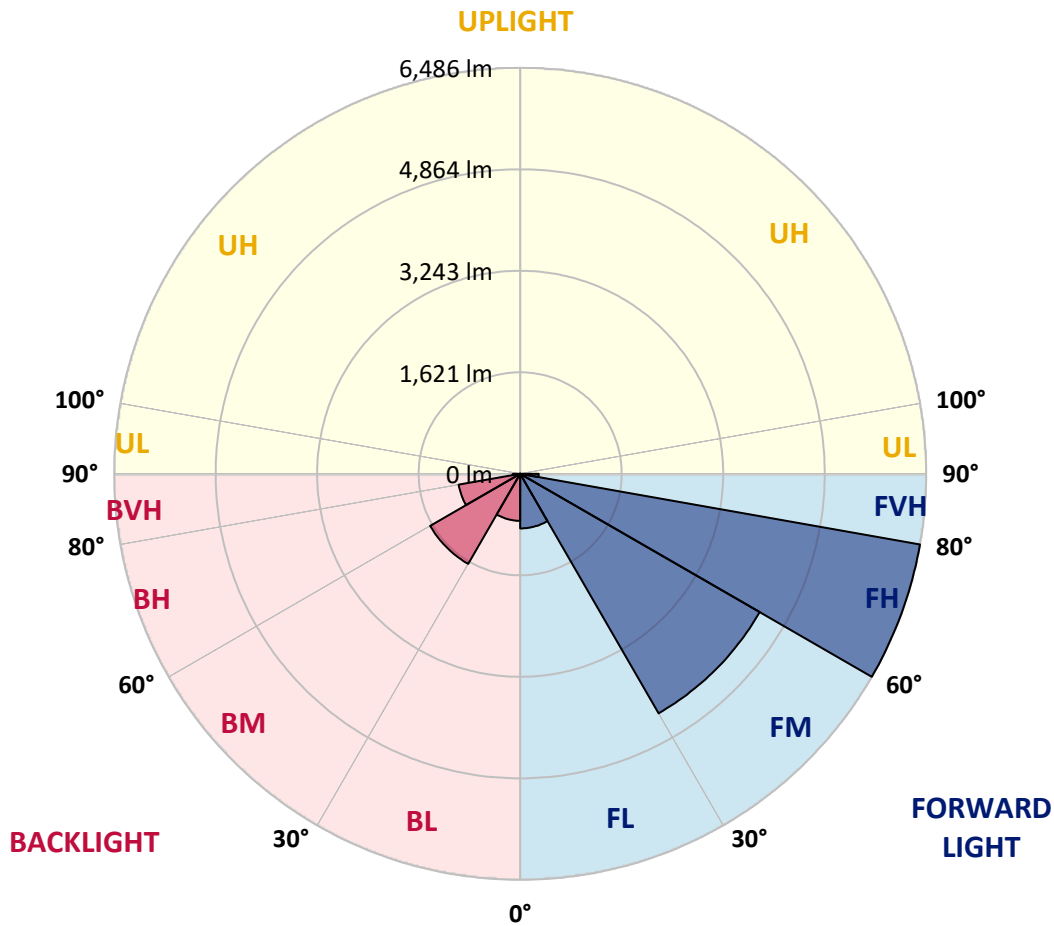
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	872.4	5.6			
FM (30°-60°)	4419.0	28.3			
FH (60°-80°)	6485.8	41.6			G3/7500
FVH (80°-90°)	296.9	1.9			G3/500
BL (0°-30°)	750.9	4.8	B2/1000		
BM (30°-60°)	1660.6	10.6	B2/2500		
BH (60°-80°)	998.4	6.4	B2/1000		G2/1000
BVH (80°-90°)	117.0	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1573.8	1573.8	1573.8	1573.8	1573.8	1573.8	1573.8	1573.8	1573.8	1573.8
2.5°	1635.5	1646.2	1636.3	1627.3	1623.1	1612.5	1611.6	1605.1	1601.0	1589.5
5°	1749.7	1763.7	1747.2	1729.2	1712.7	1686.4	1683.1	1664.2	1642.9	1618.2
7.5°	1878.7	1891.1	1872.2	1845.0	1816.3	1772.7	1771.9	1737.4	1703.7	1661.8
10°	1991.3	2007.8	1982.3	1945.3	1909.2	1859.8	1854.1	1814.6	1771.9	1717.7
12.5°	2090.8	2102.3	2077.6	2032.4	1990.5	1941.2	1933.8	1890.2	1842.6	1780.9
15°	2169.7	2184.5	2151.6	2103.1	2058.7	2010.2	2003.7	1964.2	1916.5	1851.6
17.5°	2221.5	2233.8	2200.1	2145.8	2103.1	2062.8	2057.9	2025.0	1983.1	1917.4
20°	2241.2	2254.3	2219.0	2163.9	2124.5	2093.2	2090.8	2066.9	2038.2	1978.2
22.5°	2260.9	2273.2	2227.2	2169.7	2135.2	2115.4	2114.6	2099.0	2087.5	2038.2
25°	2340.6	2343.9	2282.3	2199.3	2150.0	2132.7	2131.9	2131.0	2136.0	2097.4
27.5°	2409.7	2408.8	2356.2	2278.2	2201.7	2165.6	2164.7	2173.0	2188.6	2156.5
30°	2510.7	2501.7	2439.2	2357.9	2288.0	2232.1	2227.2	2219.8	2232.1	2206.7
32.5°	2725.2	2696.5	2595.4	2450.7	2359.5	2316.8	2310.2	2264.2	2269.1	2253.5
35°	3032.6	2994.8	2860.0	2626.6	2448.3	2387.5	2384.2	2325.8	2316.0	2302.0
37.5°	3398.3	3351.5	3194.5	2881.4	2601.1	2469.7	2464.7	2412.1	2371.9	2357.1
40°	3765.7	3706.5	3576.7	3192.1	2826.3	2606.9	2591.3	2511.6	2465.5	2440.9
42.5°	4122.4	4073.1	3962.1	3540.5	3104.1	2807.4	2772.9	2636.5	2602.0	2579.0
45°	4438.0	4393.6	4312.2	3912.8	3429.6	3080.3	3046.6	2823.9	2813.2	2813.2
47.5°	4694.4	4684.5	4598.2	4292.5	3813.4	3390.9	3332.6	3084.4	3113.2	3157.5
50°	4978.7	4951.6	4859.6	4666.4	4264.6	3746.8	3699.1	3404.1	3511.8	3633.4
52.5°	5240.1	5254.9	5152.2	5056.0	4774.1	4143.8	4059.9	3781.3	4013.9	4215.3
55°	5508.8	5509.7	5480.9	5467.7	5308.3	4582.6	4490.6	4235.0	4604.8	4854.7
57.5°	5761.1	5762.8	5805.5	5921.4	5928.0	5088.9	4984.5	4792.2	5261.5	5516.2
60°	5986.3	5997.8	6114.5	6385.8	6472.9	5669.1	5570.5	5450.5	5940.3	6196.7
62.5°	6061.9	6103.9	6363.6	6749.0	7011.2	6380.8	6283.8	6212.3	6653.7	6892.0
65°	5933.7	6029.9	6532.0	7049.0	7565.1	7226.5	7130.3	7052.3	7395.0	7619.3
67.5°	5619.0	5743.1	6522.2	7363.8	8237.4	8243.9	8154.4	7971.1	8189.7	8276.0
70°	4789.7	4975.5	5947.7	7481.3	9009.1	9635.3	9549.0	9077.3	8982.8	8565.3
72.5°	3086.0	3335.9	4379.6	6514.0	9180.9	10944.5	10939.6	10075.8	9233.5	8003.1
75°	1125.9	1278.8	2034.9	4088.7	7706.5	10878.0	10910.0	9904.9	8428.9	6181.9
77.5°	410.1	448.7	664.1	1571.4	4739.6	8728.0	8794.6	7918.5	5999.5	3102.5
80°	215.3	236.7	340.2	609.8	2030.8	5183.4	5287.8	4705.9	2819.8	934.4
82.5°	119.2	129.0	190.7	331.2	914.7	2216.5	2279.0	1859.0	992.0	396.1
85°	64.1	68.2	89.6	180.8	447.1	768.4	785.7	555.6	395.3	232.6
87.5°	18.9	23.0	29.6	57.5	175.1	172.6	176.7	110.1	156.2	117.5
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°
1573.8	0°	1573.8	1573.8	1573.8	1573.8	1573.8	1573.8	1573.8	1573.8	1573.8	1573.8
1586.2	2.5°	1581.2	1578.8	1569.7	1565.6	1560.7	1559.9	1564.0	1564.8	1565.6	1566.4
1604.2	5°	1596.0	1587.8	1579.6	1574.7	1576.3	1577.1	1585.3	1591.1	1595.2	1598.5
1637.9	7.5°	1624.8	1618.2	1604.2	1603.4	1605.9	1613.3	1624.0	1637.1	1644.5	1650.3
1681.5	10°	1667.5	1655.2	1638.8	1641.2	1646.2	1656.8	1679.0	1689.7	1702.0	1712.7
1734.9	12.5°	1711.1	1700.4	1681.5	1683.1	1691.4	1710.3	1731.6	1744.8	1753.0	1761.2
1792.4	15°	1767.8	1748.9	1728.3	1728.3	1743.1	1763.7	1773.5	1784.2	1789.2	1798.2
1854.1	17.5°	1826.1	1801.5	1774.4	1772.7	1790.8	1800.7	1806.4	1808.1	1809.7	1819.6
1914.1	20°	1884.5	1857.4	1818.7	1815.5	1819.6	1817.9	1817.1	1815.5	1817.9	1830.3
1975.7	22.5°	1942.0	1910.8	1857.4	1842.6	1831.1	1815.5	1814.6	1813.8	1815.5	1827.8
2042.3	25°	2009.4	1971.6	1900.1	1855.7	1817.1	1795.7	1798.2	1799.0	1800.7	1810.5
2111.3	27.5°	2082.6	2040.6	1939.6	1851.6	1781.8	1767.0	1762.9	1765.3	1771.1	1786.7
2180.4	30°	2155.7	2106.4	1975.7	1835.2	1737.4	1716.8	1703.7	1709.4	1727.5	1743.1
2240.4	32.5°	2222.3	2173.0	2004.5	1799.0	1680.7	1648.6	1631.4	1638.8	1656.8	1662.6
2306.9	35°	2300.4	2244.5	2016.8	1741.5	1619.0	1569.7	1546.7	1536.0	1545.1	1539.3
2385.0	37.5°	2387.5	2329.1	2015.2	1665.9	1546.7	1490.0	1458.0	1417.7	1398.8	1379.1
2500.1	40°	2516.5	2432.7	1995.4	1574.7	1457.1	1405.4	1347.8	1279.6	1236.9	1198.3
2685.8	42.5°	2692.4	2576.5	1959.3	1474.4	1356.0	1307.6	1229.5	1149.8	1082.4	1018.3
2967.7	45°	2954.5	2764.7	1914.1	1367.6	1246.7	1199.1	1114.4	1024.8	948.4	866.2
3367.9	47.5°	3332.6	3017.8	1871.3	1245.9	1131.7	1088.1	1011.7	928.7	838.3	758.6
3946.5	50°	3852.0	3381.1	1831.9	1127.6	1018.3	985.4	924.6	839.9	748.7	684.6
4624.5	52.5°	4512.8	3875.0	1815.5	1013.3	912.3	899.9	851.4	772.5	686.2	632.0
5415.2	55°	5271.3	4465.9	1815.5	904.0	819.4	823.5	789.8	716.7	641.9	593.4
6230.4	57.5°	6045.5	5064.2	1782.6	802.9	740.5	757.7	736.4	672.3	604.9	554.7
7087.6	60°	6758.9	5565.5	1649.4	710.9	670.6	697.7	683.8	628.7	546.5	504.6
7804.3	62.5°	7307.0	5848.3	1393.0	637.8	613.1	644.3	636.9	571.2	535.8	518.6
8392.7	65°	7581.5	5802.2	1065.1	572.8	564.6	613.1	597.5	595.0	567.1	547.4
8584.2	67.5°	7413.1	5406.1	772.5	525.2	536.7	584.3	644.3	654.2	602.4	563.8
8045.1	70°	6674.2	4689.5	575.3	480.0	501.3	585.2	734.7	684.6	590.9	545.7
6452.3	72.5°	5077.4	3497.0	446.3	432.3	455.3	589.3	775.0	670.6	558.0	603.2
4019.7	75°	2903.6	1919.8	358.3	373.9	397.8	550.6	754.5	634.5	532.6	553.9
1592.7	77.5°	1107.0	738.0	295.9	316.4	319.7	480.8	721.6	632.0	507.1	494.8
477.5	80°	383.8	288.5	244.9	251.5	247.4	427.4	692.0	549.8	415.0	371.5
197.2	82.5°	157.0	143.8	194.0	185.7	175.9	332.0	558.9	449.6	339.4	300.0
95.3	85°	68.2	91.2	128.2	112.6	101.9	230.1	447.9	380.5	286.8	247.4
31.2	87.5°	14.0	34.5	54.2	51.0	52.6	153.7	318.1	270.4	203.0	152.0
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>
1573.8
1569.7
1600.1
1651.9
1710.3
1764.5
1801.5
1822.9
1835.2
1836.0
1823.7
1802.3
1760.4
1683.1
1557.4
1391.4
1200.7
1012.5
856.4
749.5
680.5
627.9
588.4
546.5
498.0
512.8
540.8
557.2
538.3
598.3
553.9
451.2
359.1
296.7
246.6
119.2
0.0

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