

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: STREETWORKS

Report Number: P847083

Luminaire Tested: **GLAN-SB3A-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13092 lumens
Efficiency: N/A
Efficacy: 154.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

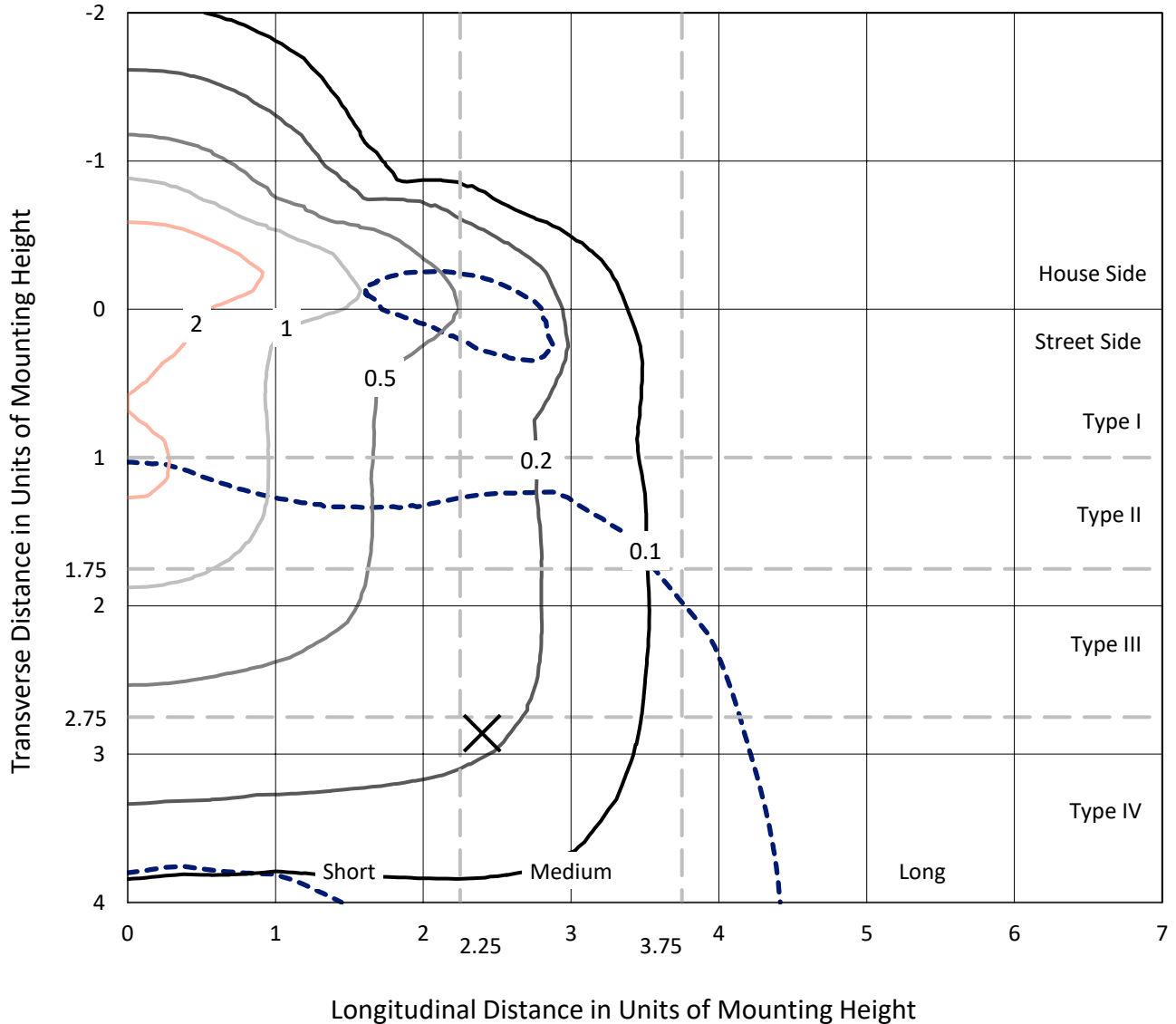
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

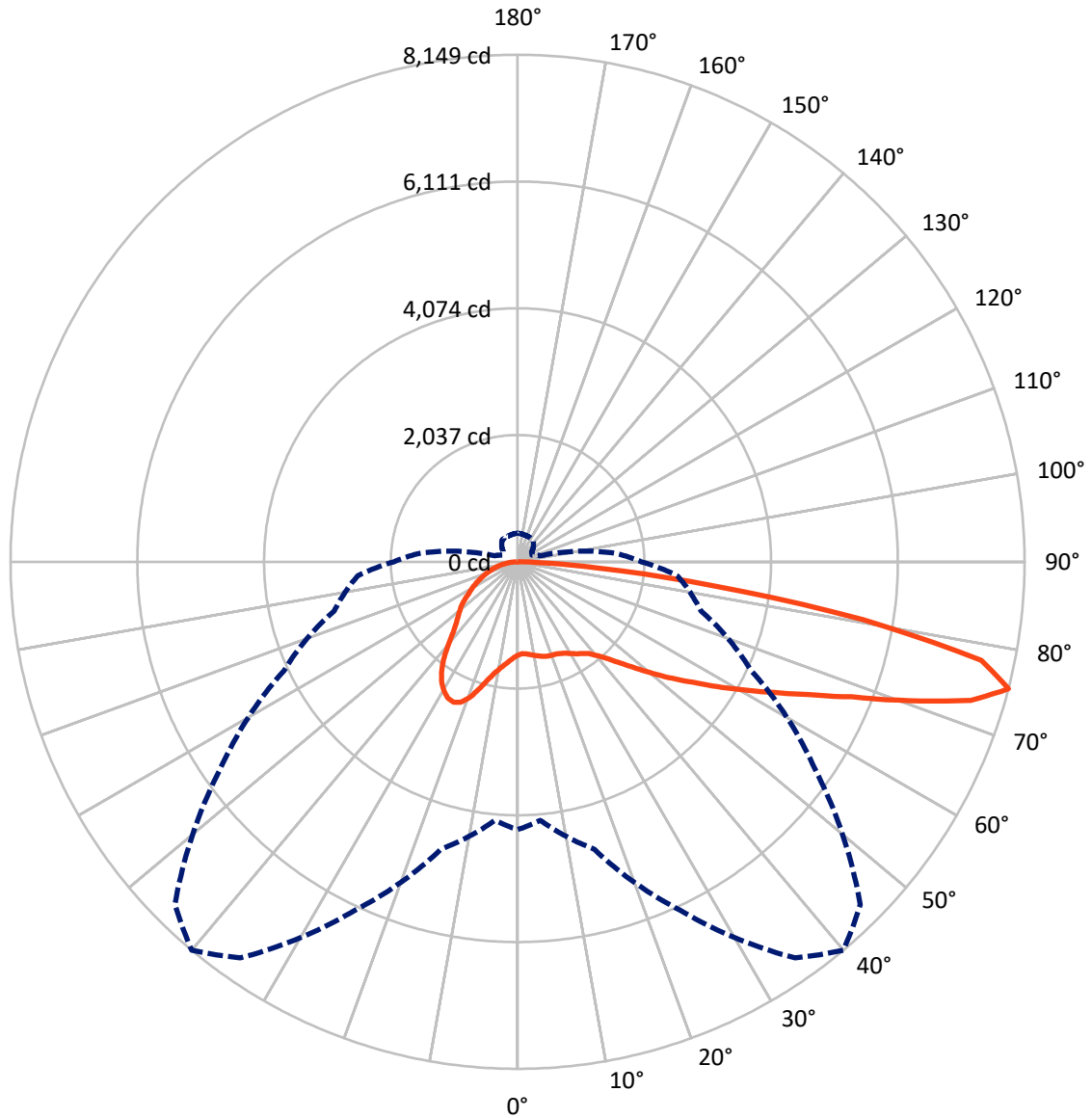
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4056.3	0.0	4056.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	9035.7	0.0	9035.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	13092.0	0.0	13092.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.4	1.1
10°-20°	501.7	3.8
20°-30°	916.1	7.0
30°-40°	1299.3	9.9
40°-50°	1754.5	13.4
50°-60°	2360.2	18.0
60°-70°	2995.7	22.9
70°-80°	2718.8	20.8
80°-90°	396.3	3.0
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°	13092.0	100.0
0°-180°	13092.0	100.0

Coefficient of Utilization

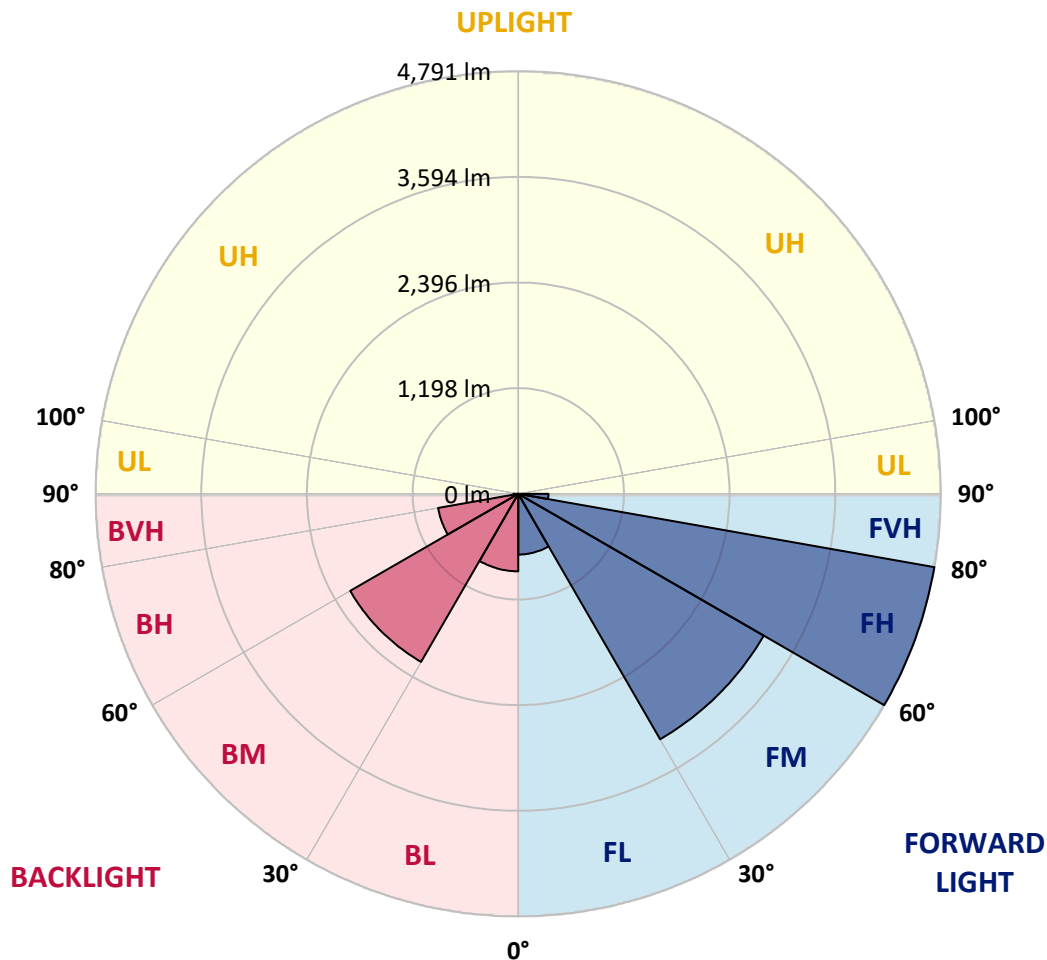


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	688.7	5.3			
FM (30°-60°)	3213.8	24.5			
FH (60°-80°)	4791.5	36.6			G2/5000
FVH (80°-90°)	341.7	2.6			G3/500
BL (0°-30°)	878.6	6.7	B2/1000		
BM (30°-60°)	2200.2	16.8	B2/2500		
BH (60°-80°)	922.9	7.0	B2/1000		G2/1000
BVH (80°-90°)	54.6	0.4			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1
2.5°	1474.2	1482.5	1480.4	1477.6	1477.6	1478.3	1477.6	1482.5	1487.4	1492.2
5°	1489.4	1497.8	1493.6	1490.1	1487.4	1486.7	1484.6	1483.9	1486.7	1492.9
7.5°	1519.3	1527.6	1521.4	1515.1	1509.6	1506.8	1504.0	1499.9	1497.8	1501.3
10°	1552.6	1561.0	1553.3	1542.2	1533.2	1529.7	1526.9	1522.8	1520.0	1522.1
12.5°	1586.0	1594.3	1583.9	1568.6	1556.8	1554.7	1551.2	1549.9	1549.2	1548.5
15°	1617.2	1624.2	1611.0	1592.9	1580.4	1576.9	1573.5	1575.6	1579.0	1583.2
17.5°	1641.5	1648.5	1629.0	1605.4	1593.6	1592.2	1590.1	1597.1	1606.8	1617.2
20°	1663.7	1670.7	1645.7	1613.7	1599.9	1599.9	1600.6	1615.1	1629.0	1644.3
22.5°	1695.0	1700.5	1670.0	1626.2	1606.1	1607.5	1613.0	1627.6	1645.0	1665.8
25°	1741.5	1745.7	1708.2	1649.9	1626.9	1631.1	1636.0	1642.9	1659.6	1683.9
27.5°	1816.5	1820.0	1770.7	1691.5	1656.8	1663.7	1670.7	1665.8	1673.5	1694.3
30°	1922.0	1924.1	1861.6	1756.8	1707.5	1711.0	1712.3	1692.2	1677.6	1694.3
32.5°	2047.0	2046.3	1972.0	1835.9	1765.1	1761.6	1749.8	1710.3	1676.2	1690.8
35°	2240.8	2233.1	2137.3	1947.0	1830.4	1808.9	1781.1	1730.4	1683.2	1687.3
37.5°	2561.6	2538.0	2405.3	2129.0	1927.6	1872.7	1831.8	1763.0	1698.5	1686.0
40°	2923.3	2893.5	2747.7	2378.3	2073.4	1985.2	1919.3	1809.6	1723.5	1692.2
42.5°	3352.5	3310.1	3153.2	2672.0	2258.1	2130.4	2031.1	1868.6	1760.3	1712.3
45°	3879.5	3823.3	3601.1	3003.2	2490.7	2320.6	2188.0	1958.2	1816.5	1751.2
47.5°	4412.1	4426.0	4110.0	3382.3	2769.9	2555.3	2384.5	2092.9	1898.4	1813.7
50°	4978.0	4987.7	4616.3	3802.4	3086.5	2820.6	2605.3	2243.5	2012.3	1902.6
52.5°	5419.7	5421.0	5075.9	4242.0	3416.4	3112.2	2843.5	2415.8	2144.3	2020.7
55°	5696.0	5692.5	5398.1	4657.9	3795.5	3418.4	3107.4	2611.6	2305.3	2159.5
57.5°	5896.7	5886.3	5620.3	5015.5	4199.6	3780.2	3405.9	2833.8	2495.6	2324.8
60°	5973.1	5966.8	5771.0	5324.5	4624.6	4180.2	3750.4	3082.4	2711.6	2519.9
62.5°	6002.2	6014.0	5918.9	5623.8	5079.4	4623.2	4128.8	3379.6	2954.6	2740.7
65°	6105.0	6126.5	6107.1	6015.4	5593.2	5141.9	4630.8	3733.0	3219.8	2977.5
67.5°	6308.5	6330.0	6338.3	6484.1	6221.0	5788.4	5257.2	4173.2	3530.2	3223.3
70°	6303.6	6297.4	6444.6	6857.0	7007.0	6683.4	6101.5	4714.9	3900.3	3427.5
72.5°	5737.7	5687.7	6035.6	6852.9	7661.1	7618.1	7132.7	5413.4	4219.8	3452.5
75°	4304.5	4171.2	4785.7	6175.8	7770.1	8148.6	7788.2	5846.7	4144.1	3050.4
77.5°	1840.8	1706.8	2431.0	4571.8	6954.2	7617.4	7186.9	5100.9	3308.0	2017.2
80°	481.9	481.2	734.7	2072.7	4729.4	5625.2	4935.0	3294.1	1890.1	720.8
82.5°	199.3	194.4	270.1	806.2	2310.9	3156.7	2576.2	1469.3	682.6	195.1
85°	74.3	73.6	131.2	278.4	815.2	1302.0	942.3	375.7	170.1	95.1
87.5°	20.8	20.1	28.5	96.5	198.6	301.4	161.1	61.8	47.9	37.5
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°
1497.1	0°	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1	1497.1
1499.9	2.5°	1501.9	1505.4	1511.7	1516.5	1522.8	1529.7	1539.4	1545.7	1551.9	1556.1
1503.3	5°	1508.2	1515.8	1531.8	1547.8	1566.5	1583.9	1604.0	1618.6	1630.4	1633.9
1515.8	7.5°	1522.1	1534.6	1561.7	1588.7	1618.6	1647.1	1676.2	1701.2	1721.4	1729.0
1538.1	10°	1546.4	1563.1	1601.2	1639.4	1679.0	1722.8	1760.3	1796.4	1824.8	1836.6
1564.4	12.5°	1576.9	1597.8	1647.8	1700.5	1755.4	1815.8	1864.4	1908.9	1944.3	1960.2
1601.2	15°	1616.5	1643.6	1707.5	1778.3	1858.9	1942.9	2004.7	2054.0	2093.6	2113.0
1639.4	17.5°	1659.6	1695.7	1776.2	1883.2	1998.4	2108.8	2181.1	2217.2	2258.1	2276.9
1674.8	20°	1701.2	1745.7	1860.9	2016.5	2169.9	2287.3	2345.6	2355.3	2358.1	2360.2
1708.2	22.5°	1744.3	1804.0	1967.2	2184.5	2349.1	2430.3	2438.7	2397.0	2338.7	2311.6
1740.8	25°	1791.5	1870.7	2106.1	2369.9	2503.2	2513.0	2449.1	2347.7	2237.3	2186.6
1767.2	27.5°	1837.3	1947.7	2272.7	2547.0	2614.3	2528.9	2391.5	2247.7	2114.4	2060.9
1786.0	30°	1883.2	2035.9	2456.7	2701.8	2665.0	2489.4	2300.5	2140.1	2006.1	1949.8
1802.6	32.5°	1929.7	2138.7	2668.5	2813.6	2656.0	2405.3	2187.3	2019.3	1901.2	1842.2
1817.2	35°	1982.5	2265.1	2869.2	2874.7	2595.6	2281.7	2038.0	1874.8	1772.1	1724.8
1834.6	37.5°	2051.2	2425.5	3046.3	2890.0	2490.1	2100.5	1852.6	1704.0	1619.3	1597.8
1860.2	40°	2136.6	2618.5	3181.7	2865.7	2333.8	1880.4	1649.9	1531.1	1483.2	1488.1
1895.0	42.5°	2247.7	2834.5	3276.8	2803.2	2116.5	1653.3	1472.1	1419.3	1442.2	1461.7
1947.0	45°	2392.1	3058.8	3335.8	2697.0	1870.7	1461.0	1367.2	1379.7	1397.1	1399.2
2031.1	47.5°	2576.9	3285.8	3374.7	2536.6	1620.0	1325.6	1300.6	1303.4	1299.9	1285.3
2156.8	50°	2807.4	3506.6	3409.4	2324.1	1406.8	1240.9	1207.5	1197.8	1149.9	1102.7
2324.1	52.5°	3069.9	3709.4	3424.0	2060.2	1240.9	1170.0	1115.9	1054.8	965.2	950.6
2534.5	55°	3361.5	3896.9	3386.5	1736.0	1101.3	1079.1	997.1	923.5	913.8	901.3
2811.6	57.5°	3710.1	4098.9	3310.1	1374.2	958.2	972.8	893.0	901.3	883.9	864.5
3167.8	60°	4091.3	4307.9	3176.1	1044.4	810.3	840.2	865.9	865.2	860.3	844.4
3543.4	62.5°	4434.3	4445.4	2912.2	799.9	680.5	737.4	807.6	806.9	802.7	793.7
3935.8	65°	4638.5	4424.6	2472.0	629.8	573.6	652.7	728.4	734.0	734.7	734.0
4230.9	67.5°	4602.4	4180.9	1867.9	501.3	485.4	566.6	649.9	657.6	663.1	664.5
4268.4	70°	4194.1	3645.5	1217.9	400.0	406.9	490.9	575.6	583.3	588.1	593.7
3703.8	72.5°	3269.2	2680.3	697.2	323.6	338.2	425.7	502.0	511.1	513.8	524.3
2577.5	75°	1992.2	1576.2	376.4	254.8	277.8	363.9	429.1	439.5	444.4	456.9
1265.9	77.5°	947.1	682.6	214.6	198.6	223.6	297.2	362.5	374.3	361.1	368.0
349.3	80°	320.1	253.4	135.4	151.4	170.8	231.9	290.3	302.1	274.3	272.9
116.0	82.5°	111.8	102.8	86.1	100.7	110.4	166.0	219.4	234.7	204.1	203.5
52.1	85°	43.7	41.7	47.9	54.9	66.0	102.1	144.4	152.1	125.7	101.4
15.3	87.5°	9.0	9.7	11.8	12.5	20.1	35.4	52.1	63.9	50.7	43.1
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°
1497.1
1553.3
1635.3
1729.7
1837.3
1960.2
2111.6
2276.2
2365.8
2319.2
2194.2
2067.2
1956.1
1849.8
1735.3
1613.0
1504.7
1479.7
1413.1
1296.4
1108.9
955.5
903.4
861.0
838.8
790.2
734.0
665.9
596.5
528.4
458.3
362.5
270.1
193.7
100.0
39.6
0.0

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