

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: P847003

Luminaire Tested: **GLAN-SB2D-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847003
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-SB2D-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12991 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

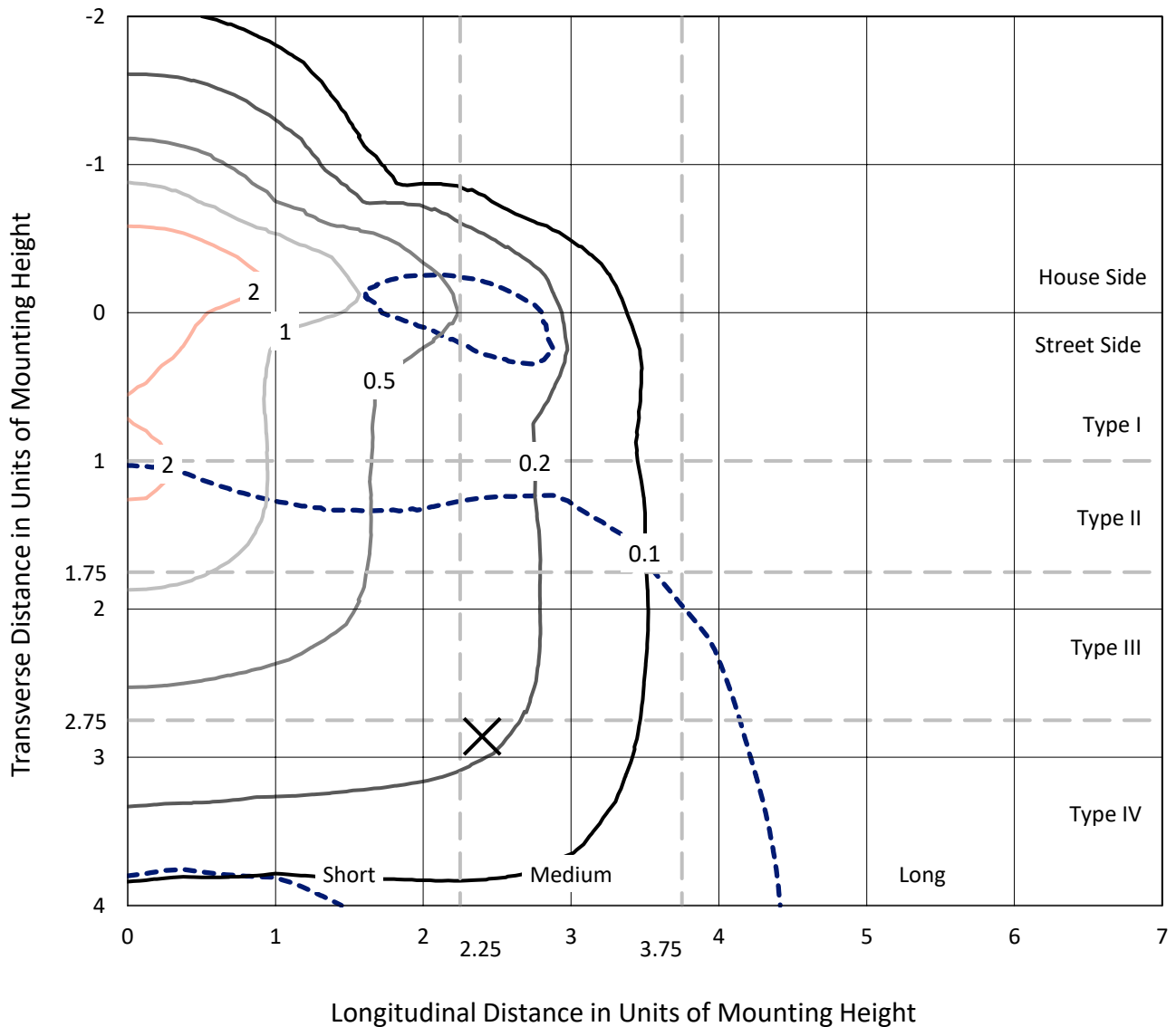
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

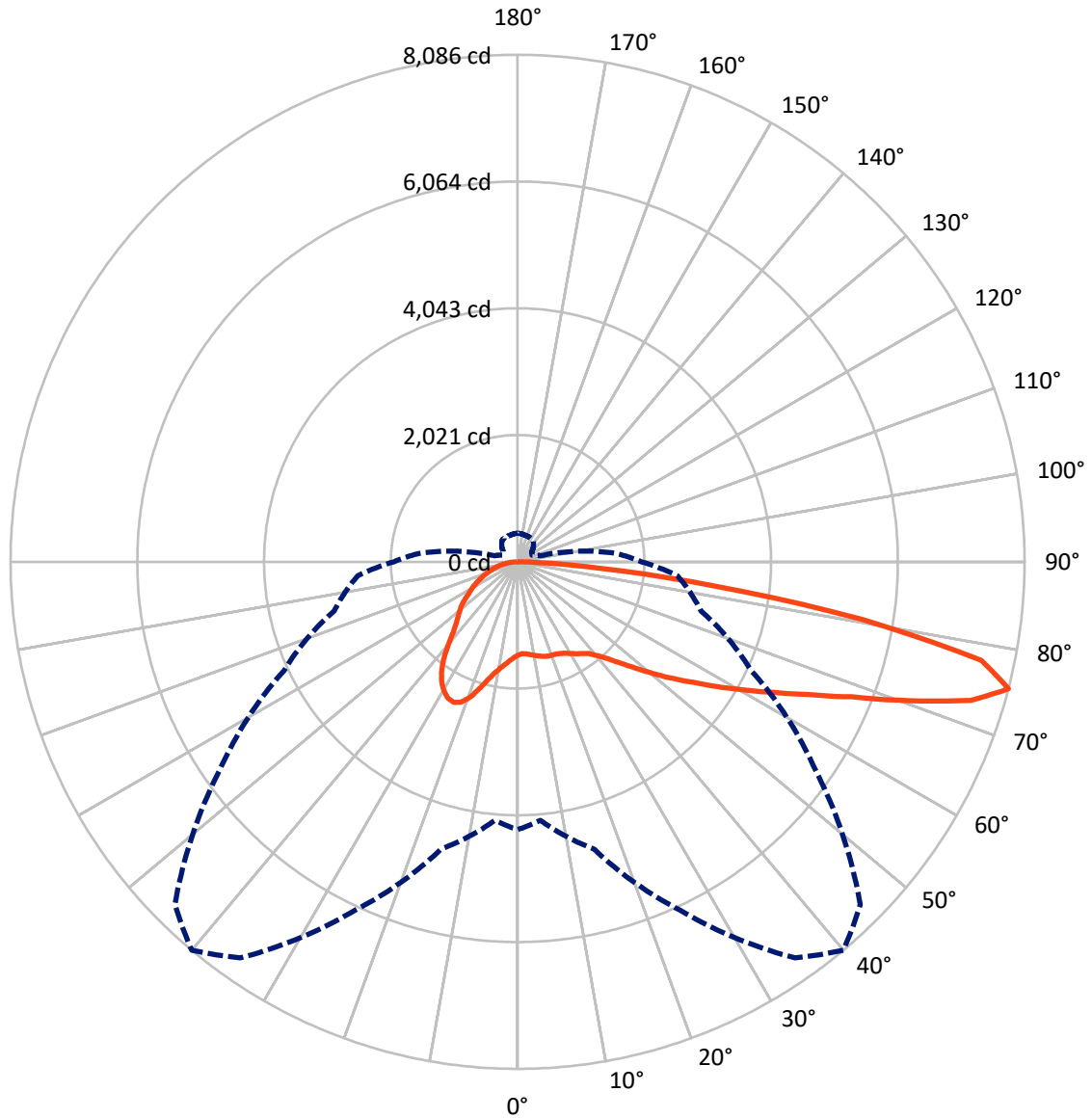
× Max cd
 - - - 1/2 Max cd



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	4025.0	0.0	4025.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	8966.0	0.0	8966.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	12991.0	0.0	12991.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.3	1.1
10°-20°	497.9	3.8
20°-30°	909.1	7.0
30°-40°	1289.3	9.9
40°-50°	1740.9	13.4
50°-60°	2342.0	18.0
60°-70°	2972.5	22.9
70°-80°	2697.8	20.8
80°-90°	393.3	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°	12991.0	100.0
0°-180°	12991.0	100.0

Coefficient of Utilization

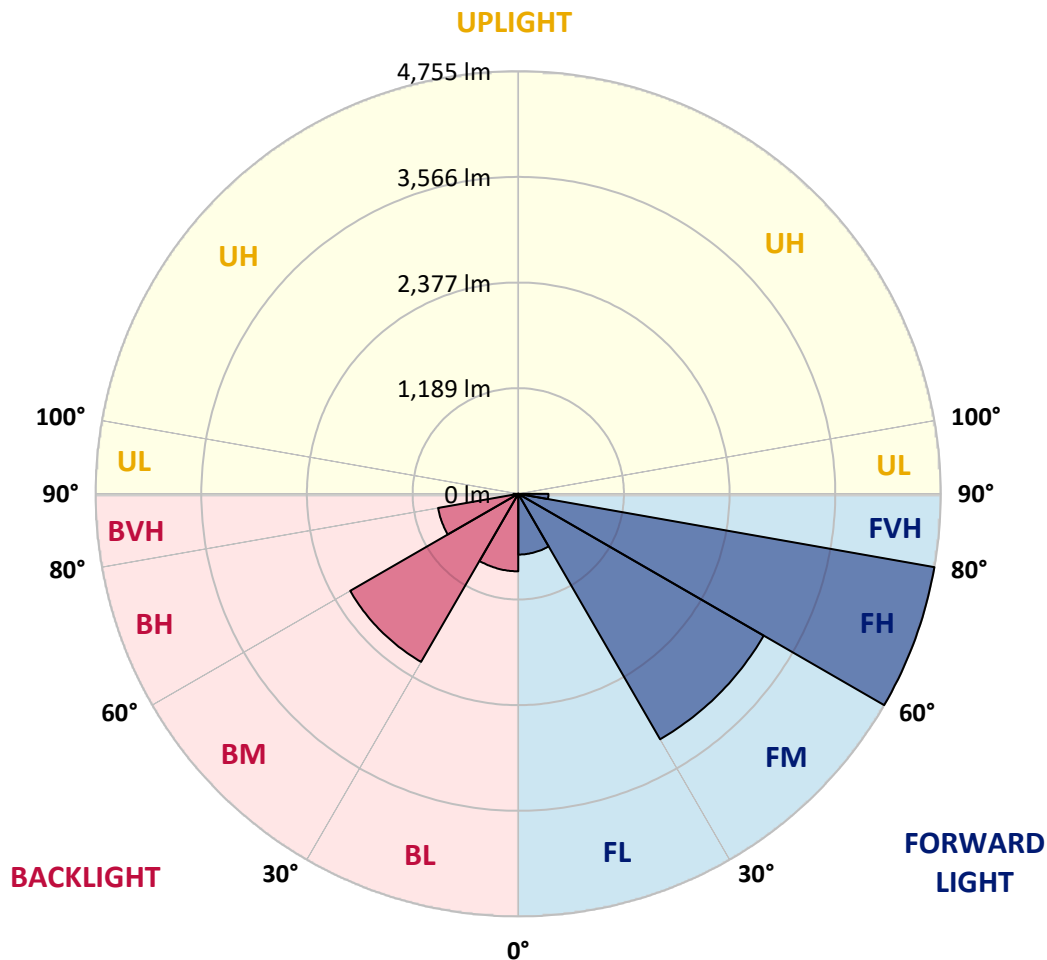


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	683.3	5.3			
FM (30°-60°)	3189.0	24.5			
FH (60°-80°)	4754.5	36.6			G2/5000
FVH (80°-90°)	339.1	2.6			G3/500
BL (0°-30°)	871.9	6.7	B2/1000		
BM (30°-60°)	2183.2	16.8	B2/2500		
BH (60°-80°)	915.8	7.0	B2/1000		G2/1000
BVH (80°-90°)	54.1	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°	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5
2.5°	1462.8	1471.1	1469.0	1466.2	1466.2	1466.9	1466.2	1471.1	1475.9	1480.7
5°	1478.0	1486.2	1482.1	1478.6	1475.9	1475.2	1473.1	1472.4	1475.2	1481.4
7.5°	1507.6	1515.9	1509.7	1503.5	1497.9	1495.2	1492.4	1488.3	1486.2	1489.7
10°	1540.7	1548.9	1541.3	1530.3	1521.4	1517.9	1515.2	1511.0	1508.3	1510.3
12.5°	1573.7	1582.0	1571.7	1556.5	1544.8	1542.7	1539.3	1537.9	1537.2	1536.5
15°	1604.7	1611.6	1598.5	1580.6	1568.2	1564.8	1561.3	1563.4	1566.8	1571.0
17.5°	1628.9	1635.7	1616.5	1593.0	1581.3	1579.9	1577.9	1584.8	1594.4	1604.7
20°	1650.9	1657.8	1633.0	1601.3	1587.5	1587.5	1588.2	1602.7	1616.5	1631.6
22.5°	1681.9	1687.4	1657.1	1613.7	1593.7	1595.1	1600.6	1615.1	1632.3	1653.0
25°	1728.1	1732.2	1695.0	1637.1	1614.4	1618.5	1623.3	1630.2	1646.8	1670.9
27.5°	1802.5	1805.9	1757.0	1678.5	1644.0	1650.9	1657.8	1653.0	1660.6	1681.2
30°	1907.2	1909.3	1847.3	1743.2	1694.3	1697.8	1699.1	1679.2	1664.7	1681.2
32.5°	2031.2	2030.6	1956.8	1821.8	1751.5	1748.1	1736.3	1697.1	1663.3	1677.8
35°	2223.5	2215.9	2120.8	1932.0	1816.3	1794.9	1767.3	1717.1	1670.2	1674.3
37.5°	2541.8	2518.4	2386.8	2112.6	1912.7	1858.3	1817.6	1749.4	1685.4	1673.0
40°	2900.8	2871.2	2726.5	2359.9	2057.4	1969.9	1904.5	1795.6	1710.2	1679.2
42.5°	3326.6	3284.6	3128.9	2651.4	2240.7	2113.9	2015.4	1854.2	1746.7	1699.1
45°	3849.6	3793.8	3573.3	2980.0	2471.5	2302.7	2171.1	1943.1	1802.5	1737.7
47.5°	4378.1	4391.8	4078.3	3356.2	2748.5	2535.6	2366.1	2076.7	1883.8	1799.7
50°	4939.6	4949.3	4580.6	3773.1	3062.7	2798.8	2585.2	2226.2	1996.8	1887.9
52.5°	5377.8	5379.2	5036.8	4209.3	3390.0	3088.2	2821.6	2397.1	2127.7	2005.1
55°	5652.1	5648.6	5356.5	4622.0	3766.2	3392.1	3083.4	2591.4	2287.6	2142.9
57.5°	5851.2	5840.9	5577.0	4976.8	4167.2	3751.1	3379.7	2811.9	2476.4	2306.9
60°	5927.0	5920.8	5726.5	5283.4	4588.9	4147.9	3721.4	3058.6	2690.6	2500.5
62.5°	5955.9	5967.6	5873.3	5580.4	5040.2	4587.5	4096.9	3353.5	2931.8	2719.6
65°	6057.9	6079.3	6060.0	5969.0	5550.1	5102.2	4595.1	3704.2	3195.0	2954.5
67.5°	6259.8	6281.2	6289.4	6434.1	6173.0	5743.7	5216.6	4141.0	3503.0	3198.5
70°	6255.0	6248.8	6394.8	6804.1	6953.0	6631.9	6054.5	4678.5	3870.3	3401.0
72.5°	5693.4	5643.8	5989.0	6800.0	7602.0	7559.3	7077.7	5371.6	4187.2	3425.8
75°	4271.3	4139.0	4748.8	6128.2	7710.2	8085.7	7728.1	5801.6	4112.1	3026.9
77.5°	1826.6	1693.6	2412.3	4536.5	6900.6	7558.6	7131.4	5061.6	3282.5	2001.6
80°	478.2	477.5	729.0	2056.7	4693.0	5581.8	4896.9	3268.7	1875.5	715.2
82.5°	197.8	192.9	268.0	800.0	2293.1	3132.3	2556.3	1458.0	677.3	193.6
85°	73.7	73.0	130.2	276.3	808.9	1291.9	935.0	372.8	168.8	94.4
87.5°	20.7	20.0	28.3	95.8	197.1	299.0	159.9	61.3	47.5	37.2
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°
1485.5	0°	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5	1485.5
1488.3	2.5°	1490.4	1493.8	1500.0	1504.8	1511.0	1517.9	1527.6	1533.8	1540.0	1544.1
1491.7	5°	1496.6	1504.1	1520.0	1535.8	1554.4	1571.7	1591.6	1606.1	1617.8	1621.3
1504.1	7.5°	1510.3	1522.7	1549.6	1576.5	1606.1	1634.4	1663.3	1688.1	1708.1	1715.7
1526.2	10°	1534.5	1551.0	1588.9	1626.8	1666.1	1709.5	1746.7	1782.5	1810.8	1822.5
1552.4	12.5°	1564.8	1585.4	1635.1	1687.4	1741.9	1801.8	1850.0	1894.1	1929.3	1945.1
1588.9	15°	1604.1	1630.9	1694.3	1764.6	1844.5	1927.9	1989.2	2038.1	2077.4	2096.7
1626.8	17.5°	1646.8	1682.6	1762.5	1868.6	1983.0	2092.6	2164.2	2200.1	2240.7	2259.3
1661.9	20°	1688.1	1732.2	1846.6	2000.9	2153.2	2269.6	2327.5	2337.2	2339.9	2342.0
1695.0	22.5°	1730.8	1790.1	1952.0	2167.7	2331.0	2411.6	2419.9	2378.5	2320.6	2293.8
1727.4	25°	1777.7	1856.2	2089.8	2351.6	2483.9	2493.6	2430.2	2329.6	2220.0	2169.7
1753.6	27.5°	1823.2	1932.7	2255.2	2527.3	2594.2	2509.4	2373.0	2230.4	2098.1	2045.0
1772.2	30°	1868.6	2020.2	2437.8	2681.0	2644.5	2470.2	2282.7	2123.6	1990.6	1934.8
1788.7	32.5°	1914.8	2122.2	2647.9	2791.9	2635.5	2386.8	2170.4	2003.7	1886.6	1828.0
1803.2	35°	1967.2	2247.6	2847.1	2852.6	2575.6	2264.1	2022.3	1860.4	1758.4	1711.5
1820.4	37.5°	2035.4	2406.8	3022.8	2867.7	2470.8	2084.3	1838.3	1690.9	1606.8	1585.4
1845.9	40°	2120.1	2598.3	3157.1	2843.6	2315.8	1865.9	1637.1	1519.3	1471.8	1476.6
1880.3	42.5°	2230.4	2812.6	3251.5	2781.6	2100.1	1640.6	1460.7	1408.4	1431.1	1450.4
1932.0	45°	2373.7	3035.2	3310.1	2676.2	1856.2	1449.7	1356.7	1369.1	1386.3	1388.4
2015.4	47.5°	2557.0	3260.5	3348.7	2517.0	1607.5	1315.3	1290.5	1293.3	1289.9	1275.4
2140.1	50°	2785.7	3479.6	3383.1	2306.2	1396.0	1231.3	1198.2	1188.6	1141.0	1094.2
2306.2	52.5°	3046.2	3680.8	3397.6	2044.3	1231.3	1161.0	1107.3	1046.6	957.7	943.3
2514.9	55°	3335.6	3866.8	3360.4	1722.6	1092.8	1070.7	989.4	916.4	906.8	894.4
2789.9	57.5°	3681.5	4067.3	3284.6	1363.6	950.9	965.3	886.1	894.4	877.1	857.8
3143.3	60°	4059.7	4274.7	3151.6	1036.3	804.1	833.7	859.2	858.5	853.7	837.9
3516.1	62.5°	4400.1	4411.1	2889.8	793.8	675.2	731.7	801.3	800.6	796.5	787.6
3905.4	65°	4602.7	4390.5	2452.9	624.9	569.1	647.7	722.8	728.3	729.0	728.3
4198.2	67.5°	4566.9	4148.6	1853.5	497.5	481.6	562.2	644.9	652.5	658.0	659.4
4235.4	70°	4161.7	3617.4	1208.6	396.9	403.8	487.1	571.2	578.8	583.6	589.1
3675.3	72.5°	3243.9	2659.6	691.8	321.1	335.6	422.4	498.2	507.1	509.9	520.2
2557.7	75°	1976.8	1564.1	373.5	252.9	275.6	361.0	425.8	436.2	441.0	453.4
1256.1	77.5°	939.8	677.3	212.9	197.1	221.9	294.9	359.7	371.4	358.3	365.2
346.6	80°	317.6	251.5	134.4	150.2	169.5	230.1	288.0	299.7	272.2	270.8
115.1	82.5°	110.9	102.0	85.4	99.9	109.6	164.7	217.7	232.9	202.6	201.9
51.7	85°	43.4	41.3	47.5	54.4	65.5	101.3	143.3	150.9	124.7	100.6
15.2	87.5°	9.0	9.6	11.7	12.4	20.0	35.1	51.7	63.4	50.3	42.7
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°
1485.5
1541.3
1622.7
1716.4
1823.2
1945.1
2095.3
2258.6
2347.5
2301.3
2177.3
2051.2
1941.0
1835.6
1721.9
1600.6
1493.1
1468.3
1402.2
1286.4
1100.4
948.1
896.4
854.4
832.3
784.1
728.3
660.8
591.9
524.3
454.8
359.7
268.0
192.2
99.2
39.3
0.0

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