

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: P846748

Luminaire Tested: **GLAN-SB2C-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846748
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14707 lumens
Efficiency: N/A
Efficacy: 145.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

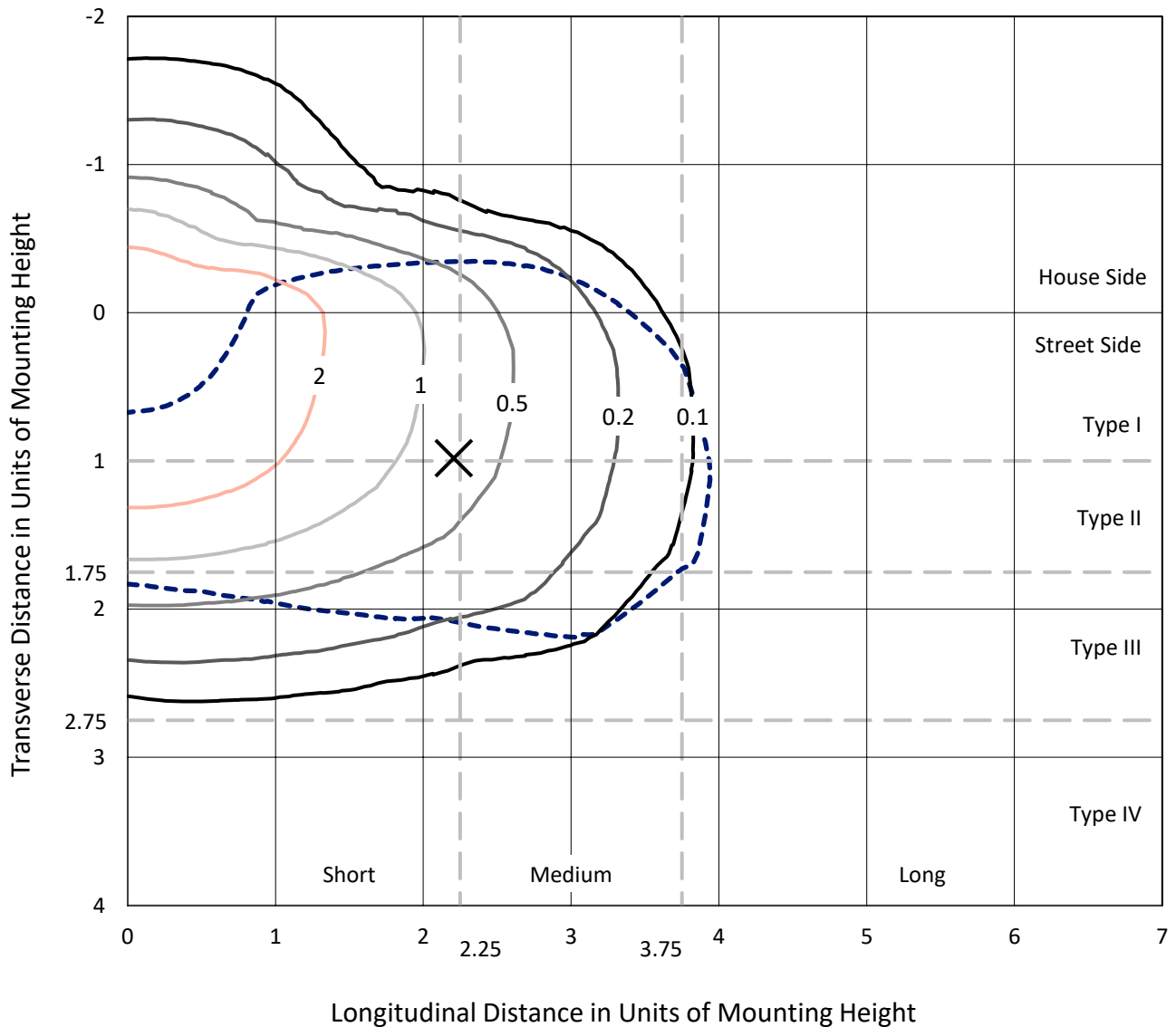
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

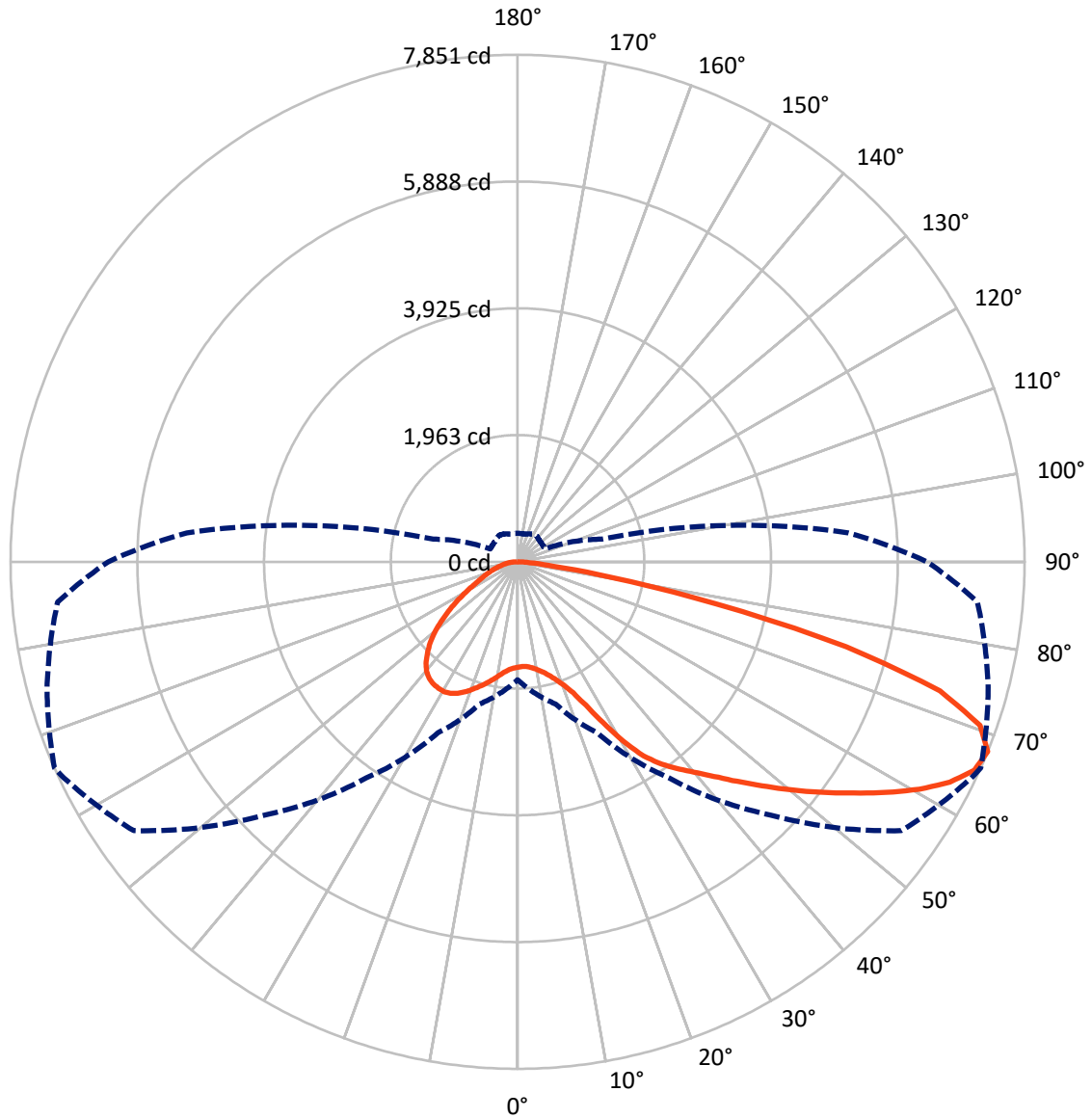
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3656.9	0.0	3656.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	11050.2	0.0	11050.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	14707.0	0.0	14707.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.7	1.1
10°-20°	534.3	3.6
20°-30°	1029.9	7.0
30°-40°	1805.8	12.3
40°-50°	2684.6	18.3
50°-60°	3403.0	23.1
60°-70°	3329.7	22.6
70°-80°	1588.3	10.8
80°-90°	169.8	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°	14707.0	100.0
0°-180°	14707.0	100.0

Coefficient of Utilization



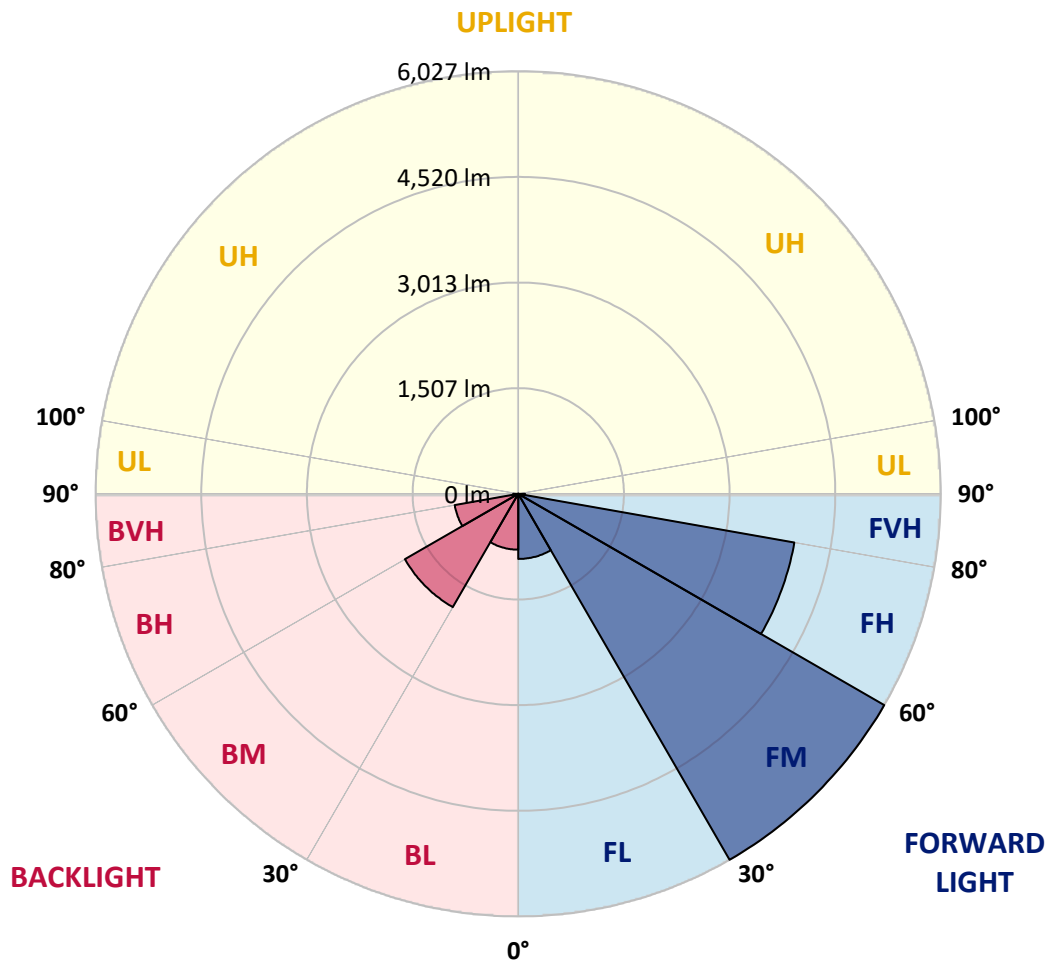
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	929.3	6.3			
FM (30°-60°)	6026.8	41.0			
FH (60°-80°)	3997.8	27.2			G2/5000
FVH (80°-90°)	96.2	0.7			G1/100
BL (0°-30°)	796.6	5.4	B2/1000		
BM (30°-60°)	1866.5	12.7	B2/2500		
BH (60°-80°)	920.3	6.3	B2/1000		G2/1000
BVH (80°-90°)	73.5	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°	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2
2.5°	1614.2	1623.5	1621.2	1617.3	1616.5	1618.1	1620.4	1622.7	1621.9	1625.8
5°	1609.6	1618.8	1618.1	1618.1	1621.2	1627.3	1631.2	1635.1	1631.2	1635.8
7.5°	1612.7	1619.6	1622.7	1625.8	1633.5	1645.1	1654.4	1662.9	1658.2	1663.7
10°	1652.1	1657.5	1660.6	1660.6	1666.0	1679.1	1688.4	1703.8	1700.0	1708.5
12.5°	1723.9	1729.3	1729.3	1726.2	1730.1	1738.6	1741.7	1758.7	1751.7	1765.7
15°	1812.0	1822.8	1814.3	1808.9	1810.5	1819.0	1818.2	1831.3	1824.4	1836.0
17.5°	1909.4	1923.3	1909.4	1908.6	1905.5	1914.8	1915.6	1927.2	1914.8	1923.3
20°	2024.5	2043.8	2032.2	2036.1	2029.1	2033.0	2036.9	2053.9	2034.6	2040.7
22.5°	2186.8	2210.0	2197.6	2212.3	2207.6	2204.6	2203.8	2233.9	2203.8	2206.1
25°	2423.2	2451.1	2429.4	2449.5	2449.5	2459.6	2471.1	2509.8	2459.6	2444.9
27.5°	2772.5	2800.3	2757.8	2770.2	2766.3	2791.0	2778.7	2874.5	2820.4	2796.5
30°	3192.9	3242.3	3161.9	3158.9	3155.0	3194.4	3212.2	3275.5	3220.7	3196.7
32.5°	3647.2	3699.0	3603.2	3575.4	3560.7	3584.6	3569.9	3620.9	3583.1	3546.0
35°	4127.8	4178.8	4087.7	4033.6	3974.8	3924.6	3872.1	3885.2	3849.7	3793.3
37.5°	4582.2	4675.7	4579.1	4521.2	4413.0	4314.8	4168.0	4107.0	4073.8	4022.0
40°	5045.1	5098.4	5025.0	4975.5	4858.1	4704.3	4469.4	4340.3	4295.5	4245.3
42.5°	5385.8	5436.8	5397.4	5363.4	5271.5	5093.0	4789.3	4627.8	4562.9	4506.5
45°	5656.3	5694.1	5669.4	5681.8	5642.4	5469.3	5120.8	4936.1	4868.9	4800.1
47.5°	5765.2	5805.4	5844.8	5918.2	5985.4	5857.9	5477.0	5269.9	5198.8	5128.5
50°	5752.9	5793.8	5908.2	6064.3	6272.9	6230.4	5852.5	5625.4	5559.7	5479.3
52.5°	5654.0	5700.3	5847.1	6106.8	6439.0	6509.3	6235.0	5992.4	5930.6	5834.8
55°	5394.3	5422.1	5642.4	6010.2	6478.4	6704.1	6609.8	6383.4	6321.6	6187.9
57.5°	4912.9	4953.1	5273.8	5749.8	6379.5	6836.2	6939.0	6794.5	6735.0	6542.6
60°	4284.7	4348.8	4715.9	5312.4	6127.6	6835.4	7238.0	7198.6	7149.2	6891.8
62.5°	3573.8	3648.0	4001.1	4694.2	5687.2	6641.5	7425.0	7537.1	7511.6	7214.1
65°	2744.7	2795.7	3147.3	3894.5	5001.8	6225.0	7446.7	7768.1	7772.7	7459.0
67.5°	1827.5	1974.3	2279.5	2922.4	4083.8	5544.2	7256.6	7806.0	7850.8	7543.2
70°	891.7	1084.9	1383.9	1899.3	2922.4	4500.3	6759.7	7495.3	7595.0	7297.5
72.5°	370.1	432.7	595.8	937.3	1677.6	3036.8	5761.4	6653.1	6837.8	6466.1
75°	249.6	270.5	340.8	480.6	764.2	1497.5	4154.9	4960.8	5258.3	4883.6
77.5°	192.4	205.5	248.0	336.1	454.4	566.4	2223.9	2989.6	3143.4	2910.0
80°	151.5	161.5	185.5	245.0	322.2	302.9	758.0	1354.6	1443.4	1210.8
82.5°	131.4	135.2	132.9	166.1	214.0	177.0	248.8	499.9	551.7	400.3
85°	95.0	105.9	110.5	102.8	113.6	89.6	102.0	177.0	194.7	173.9
87.5°	38.6	57.2	70.3	66.5	41.7	25.5	31.7	51.8	59.5	64.9
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°
1631.2	0°	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2	1631.2
1632.0	2.5°	1632.7	1638.2	1642.0	1646.7	1649.7	1654.4	1663.7	1669.1	1669.8	1673.7
1644.3	5°	1647.4	1655.2	1663.7	1676.0	1689.9	1701.5	1719.3	1731.7	1736.3	1740.2
1674.5	7.5°	1679.1	1689.9	1705.4	1727.0	1747.1	1762.6	1784.2	1798.9	1813.6	1819.0
1722.4	10°	1726.2	1741.7	1764.1	1793.5	1815.1	1835.2	1857.6	1870.0	1884.7	1890.8
1779.6	12.5°	1785.0	1801.2	1830.6	1871.5	1891.6	1905.5	1913.2	1910.2	1913.2	1918.7
1848.3	15°	1852.2	1870.0	1903.2	1947.2	1961.1	1948.8	1931.8	1916.3	1914.0	1915.6
1931.8	17.5°	1931.8	1944.9	1983.6	2020.6	2010.6	1959.6	1922.5	1897.8	1885.4	1881.6
2038.4	20°	2043.1	2043.1	2074.7	2097.9	2030.7	1944.2	1886.2	1846.0	1820.5	1809.7
2183.7	22.5°	2178.3	2165.9	2186.0	2169.8	2026.8	1900.9	1820.5	1751.0	1712.3	1696.9
2386.9	25°	2349.8	2335.1	2329.7	2229.3	1999.0	1832.1	1701.5	1617.3	1583.3	1574.8
2679.8	27.5°	2608.7	2571.6	2501.3	2261.7	1948.0	1723.9	1562.4	1484.4	1465.1	1465.8
3056.1	30°	2953.3	2879.1	2706.8	2267.1	1864.6	1570.9	1420.2	1364.6	1355.3	1359.2
3372.1	32.5°	3272.4	3202.1	2917.0	2242.4	1736.3	1421.0	1292.8	1255.7	1241.8	1246.4
3613.2	35°	3522.8	3503.5	3111.7	2207.6	1578.7	1280.4	1178.4	1146.7	1119.7	1113.5
3840.4	37.5°	3759.3	3751.5	3257.8	2159.0	1422.6	1180.7	1086.4	1044.7	1005.3	983.7
4091.5	40°	4018.9	4011.2	3353.6	2084.0	1284.3	1094.2	1003.8	948.9	900.2	860.8
4375.9	42.5°	4311.0	4265.4	3399.2	1976.6	1166.8	1020.8	936.5	862.3	798.2	761.9
4697.3	45°	4630.1	4527.3	3398.4	1839.8	1067.9	953.5	864.7	759.6	700.1	666.1
5027.3	47.5°	4968.6	4777.7	3356.7	1688.4	972.1	879.3	753.4	673.0	633.6	612.8
5385.8	50°	5317.8	5011.8	3285.6	1514.5	873.9	795.1	683.9	629.0	598.9	579.5
5741.3	52.5°	5646.2	5224.3	3199.8	1317.5	774.3	713.2	652.9	610.4	578.8	557.1
6085.9	55°	5951.4	5407.5	3078.5	1115.8	693.1	658.4	638.3	602.7	566.4	540.9
6435.9	57.5°	6222.7	5526.5	2869.1	926.5	635.2	620.5	622.8	589.6	547.9	526.2
6780.6	60°	6448.3	5613.8	2559.2	751.1	588.0	583.4	598.9	564.9	516.2	491.4
7071.9	62.5°	6583.5	5612.2	2179.1	615.1	547.9	549.4	567.2	533.9	484.5	461.3
7224.1	65°	6571.9	5474.7	1761.8	526.2	509.2	510.8	533.9	499.9	458.2	444.3
7147.6	67.5°	6339.4	5139.3	1351.5	468.3	466.7	473.7	500.7	476.8	442.0	440.4
6691.7	70°	5709.6	4443.1	973.6	421.9	422.7	432.7	468.3	462.1	433.5	436.6
5626.1	72.5°	4578.3	3387.6	653.7	373.2	374.0	390.2	437.4	450.5	425.0	465.9
3991.8	75°	3049.1	2112.6	420.4	321.4	322.2	343.1	410.3	428.1	401.8	464.4
2077.1	77.5°	1465.1	949.7	304.4	270.5	270.5	289.8	354.7	383.3	342.3	360.9
667.6	80°	506.1	357.0	239.5	217.9	213.3	226.4	299.0	332.3	295.2	272.0
217.9	82.5°	199.4	185.5	192.4	169.2	153.8	162.3	232.6	274.3	217.1	196.3
122.9	85°	114.4	120.5	136.0	112.0	88.9	99.7	170.8	197.0	163.8	144.5
40.2	87.5°	30.9	42.5	62.6	58.0	40.2	42.5	81.1	109.0	94.3	72.6
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>
1631.2
1672.9
1739.4
1819.7
1893.9
1920.2
1921.0
1887.0
1807.4
1694.6
1576.3
1468.2
1372.3
1252.6
1118.1
984.4
864.7
764.2
664.5
608.1
572.6
547.9
530.9
512.3
480.6
454.4
443.5
442.8
435.8
472.1
468.3
330.7
255.0
195.5
147.6
75.0
0.0

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