

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: P852413

Luminaire Tested: **GLAN-SB3C-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14302 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

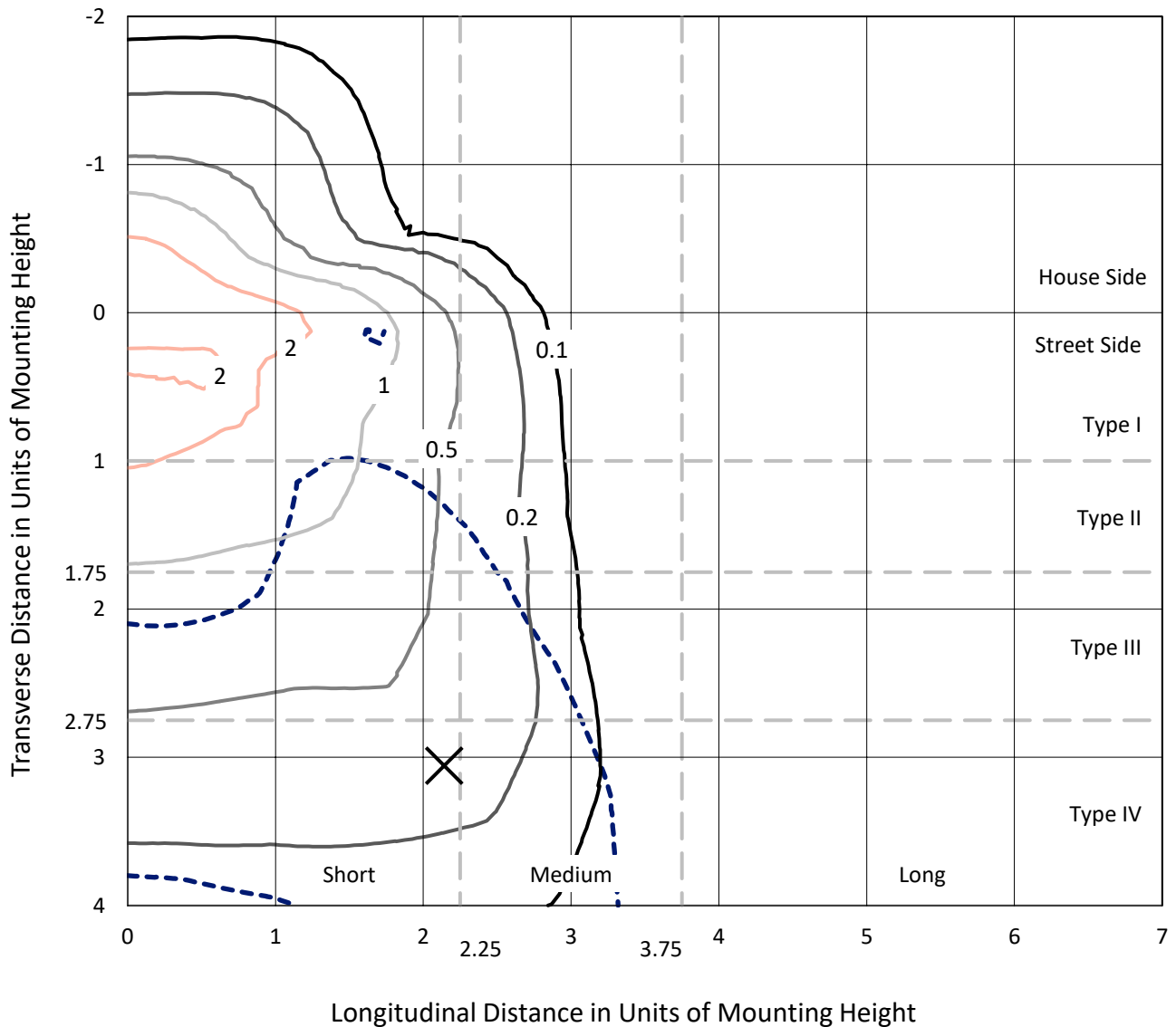
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

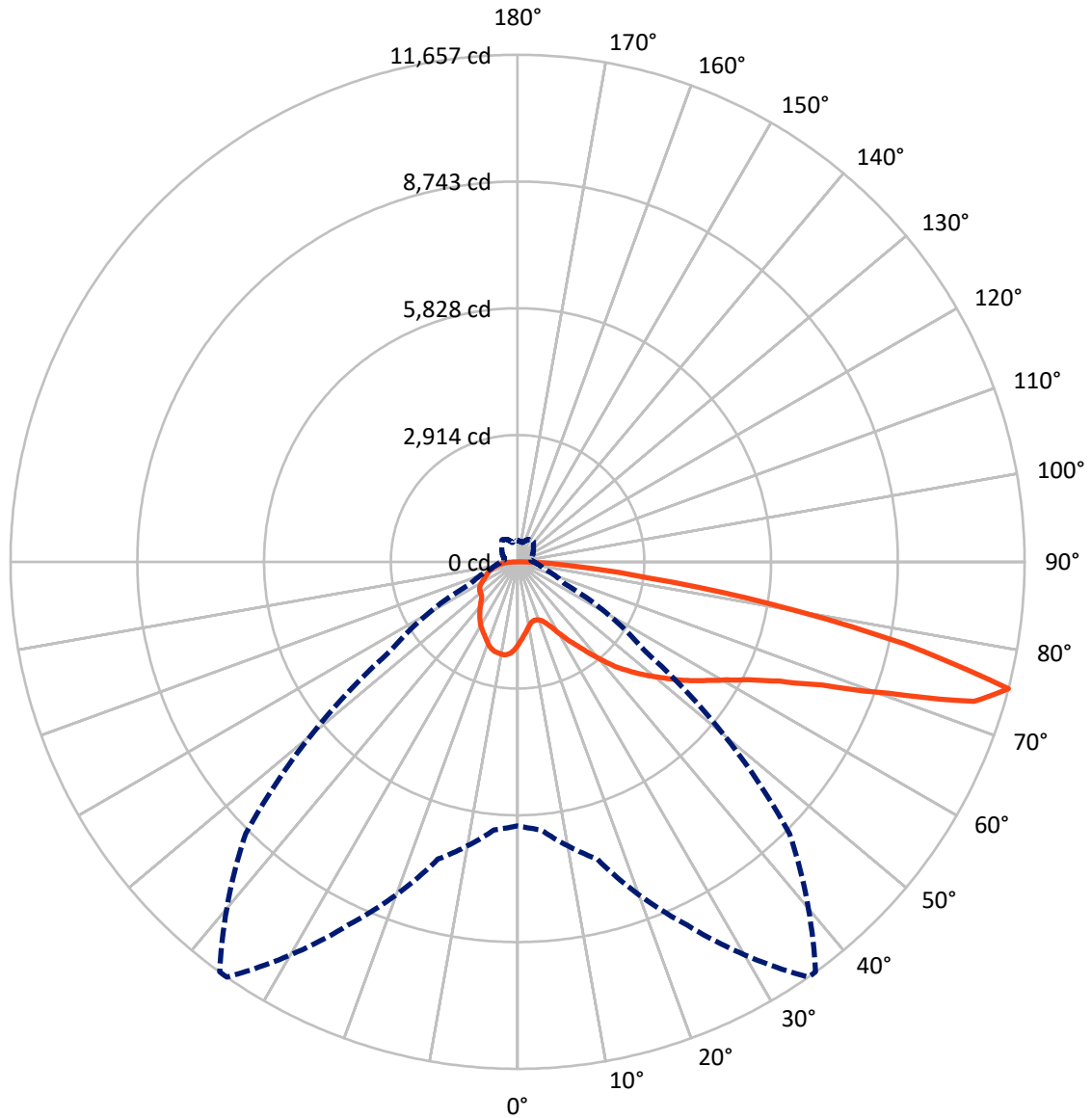
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3403.5	0.0	3403.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	10898.5	0.0	10898.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	14302.0	0.0	14302.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.4	1.3
10°-20°	520.5	3.6
20°-30°	874.0	6.1
30°-40°	1358.4	9.5
40°-50°	2016.2	14.1
50°-60°	2783.4	19.5
60°-70°	3376.9	23.6
70°-80°	2790.8	19.5
80°-90°	401.4	2.8
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°	14302.0	100.0
0°-180°	14302.0	100.0

Coefficient of Utilization



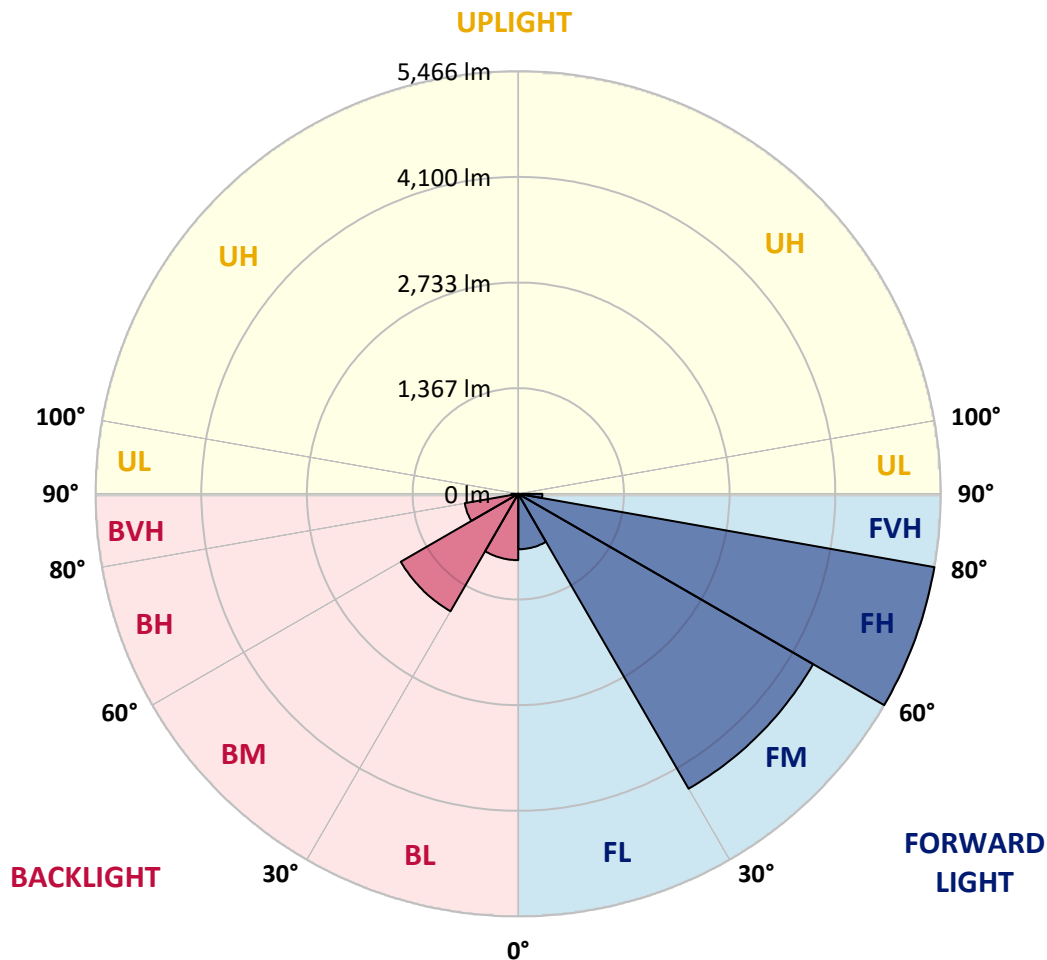
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	717.2	5.0			
FM (30°-60°)	4404.2	30.8			
FH (60°-80°)	5466.0	38.2			G3/7500
FVH (80°-90°)	311.0	2.2			G3/500
BL (0°-30°)	857.7	6.0	B2/1000		
BM (30°-60°)	1753.7	12.3	B2/2500		
BH (60°-80°)	701.7	4.9	B2/1000		G2/1000
BVH (80°-90°)	90.4	0.6			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1905.8	1905.8	1905.8	1905.8	1905.8	1905.8	1905.8	1905.8	1905.8	1905.8
2.5°	1757.4	1768.2	1772.9	1770.5	1782.1	1780.6	1796.8	1816.9	1844.8	1871.8
5°	1622.1	1633.7	1643.7	1653.0	1675.4	1682.4	1707.9	1746.6	1797.6	1849.4
7.5°	1496.1	1506.1	1521.6	1538.6	1576.5	1583.4	1626.0	1686.3	1757.4	1833.2
10°	1393.2	1403.3	1419.5	1438.8	1486.0	1494.5	1548.6	1629.0	1721.8	1817.7
12.5°	1349.2	1352.3	1361.5	1380.9	1421.8	1427.3	1486.8	1578.8	1687.0	1806.1
15°	1346.8	1353.0	1353.8	1363.9	1397.9	1400.2	1455.1	1546.3	1665.4	1803.8
17.5°	1370.0	1374.7	1367.7	1373.9	1402.5	1406.4	1449.7	1530.9	1658.4	1813.8
20°	1431.9	1435.8	1414.9	1406.4	1427.3	1430.3	1472.9	1540.9	1665.4	1834.7
22.5°	1563.3	1565.6	1514.6	1479.8	1481.4	1482.9	1520.0	1581.9	1692.4	1872.6
25°	1768.2	1766.7	1685.5	1618.2	1579.6	1571.1	1595.8	1648.4	1738.1	1922.8
27.5°	2007.9	1996.3	1915.1	1814.6	1730.3	1718.0	1712.5	1735.0	1803.0	1989.3
30°	2278.5	2267.7	2180.3	2048.9	1932.1	1912.0	1861.0	1849.4	1899.7	2079.8
32.5°	2575.4	2568.4	2464.1	2304.8	2148.6	2125.4	2039.6	2008.7	2048.1	2216.6
35°	2824.4	2818.2	2731.6	2567.7	2376.7	2348.1	2260.7	2225.9	2246.0	2392.2
37.5°	3049.3	3046.2	2972.0	2842.9	2645.8	2611.0	2512.8	2501.2	2497.3	2623.3
40°	3258.1	3250.4	3173.0	3105.0	2958.9	2927.2	2840.6	2830.5	2801.2	2907.9
42.5°	3489.3	3469.2	3357.1	3325.4	3285.9	3259.6	3207.8	3209.4	3144.4	3228.7
45°	3677.9	3666.3	3551.1	3532.6	3575.1	3564.3	3609.1	3620.7	3494.7	3565.0
47.5°	3880.5	3869.7	3772.2	3759.1	3874.3	3877.4	4035.9	4039.8	3836.4	3914.5
50°	4130.2	4114.8	4018.1	4034.3	4163.5	4175.1	4465.0	4438.7	4151.1	4269.4
52.5°	4294.9	4304.2	4283.3	4309.6	4485.9	4496.7	4887.1	4819.9	4462.7	4619.6
55°	4416.3	4434.8	4499.8	4560.1	4826.1	4836.9	5285.3	5182.5	4720.9	4944.4
57.5°	4572.5	4546.2	4667.6	4785.1	5149.2	5177.8	5672.7	5532.0	4949.8	5224.2
60°	4796.7	4778.1	4872.5	5046.4	5511.1	5556.7	6082.4	5846.6	5117.5	5446.1
62.5°	5251.3	5204.9	5219.6	5373.5	5967.2	6027.6	6544.8	6121.1	5201.0	5532.7
65°	5930.9	5851.3	5777.0	5883.7	6609.7	6669.3	7066.7	6336.8	5170.1	5365.0
67.5°	6786.8	6707.9	6616.7	6717.2	7556.1	7603.3	7710.7	6458.2	4926.6	4718.6
70°	7492.7	7463.3	7572.3	7986.0	9067.6	9069.2	8536.5	6357.7	4259.3	3345.5
72.5°	7399.1	7381.4	7955.8	9234.6	10972.7	10931.7	9318.1	5596.9	2869.2	1509.2
75°	6070.1	6185.3	7075.2	9212.2	11656.9	11651.5	8839.5	3558.1	1186.8	625.5
77.5°	3255.0	3437.5	4593.3	6801.5	9100.1	9236.9	6214.7	1244.8	509.5	400.5
80°	1061.5	1220.8	1830.8	3463.0	5913.1	5887.6	2663.5	488.6	348.7	283.7
82.5°	450.8	469.3	818.0	1635.2	3034.7	2987.5	848.2	280.7	245.1	194.1
85°	176.3	197.2	361.1	756.2	1314.4	1285.8	306.2	139.2	157.0	126.8
87.5°	58.0	70.4	129.1	259.0	409.0	394.3	75.0	47.9	68.0	58.0
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°
1905.8	0°	1905.8	1905.8	1905.8	1905.8	1905.8	1905.8	1905.8	1905.8	1905.8	1905.8
1911.3	2.5°	1922.1	1934.4	1949.1	1970.8	1989.3	2004.8	2021.0	2031.1	2035.0	2046.6
1914.3	5°	1936.0	1963.1	1999.4	2035.0	2069.7	2090.6	2109.2	2118.5	2127.0	2133.1
1922.8	7.5°	1959.2	1994.0	2051.2	2097.6	2127.0	2144.0	2156.3	2153.2	2156.3	2157.9
1932.1	10°	1979.3	2028.0	2096.0	2140.1	2162.5	2163.3	2160.2	2149.4	2144.0	2144.7
1946.0	12.5°	2003.3	2057.4	2130.8	2167.9	2174.1	2157.1	2144.0	2125.4	2118.5	2115.4
1966.9	15°	2035.7	2097.6	2168.7	2182.6	2167.2	2145.5	2123.1	2092.9	2077.5	2065.1
2002.5	17.5°	2075.2	2143.2	2198.1	2188.0	2154.8	2119.2	2082.9	2037.3	2005.6	1992.4
2051.2	20°	2130.1	2191.1	2220.5	2176.4	2126.2	2072.1	2010.2	1954.5	1925.2	1912.0
2113.0	22.5°	2196.5	2255.3	2242.2	2156.3	2085.2	1998.6	1921.3	1880.3	1865.6	1856.4
2192.7	25°	2276.2	2326.4	2257.6	2127.0	2017.9	1901.2	1841.7	1828.5	1821.6	1814.6
2290.1	27.5°	2379.8	2406.8	2269.2	2083.7	1912.8	1797.6	1775.9	1778.3	1775.9	1764.4
2425.4	30°	2516.6	2511.2	2280.0	2013.3	1792.2	1704.0	1705.6	1715.6	1717.2	1709.5
2614.1	32.5°	2696.8	2641.9	2285.5	1922.1	1677.0	1622.1	1623.6	1634.5	1642.2	1629.0
2860.7	35°	2914.8	2794.2	2277.0	1807.6	1588.1	1544.0	1532.4	1535.5	1537.8	1525.4
3159.9	37.5°	3169.2	2965.1	2239.1	1680.8	1514.6	1467.5	1442.7	1421.8	1409.5	1397.9
3498.5	40°	3448.3	3151.4	2169.5	1557.1	1432.7	1386.3	1349.2	1309.7	1268.0	1252.5
3857.3	42.5°	3740.5	3343.1	2085.2	1438.8	1338.3	1300.5	1261.0	1203.8	1141.2	1109.5
4230.0	45°	4043.6	3539.5	2002.5	1322.1	1241.7	1225.5	1179.8	1111.0	1043.0	1002.8
4603.4	47.5°	4340.5	3725.1	1881.1	1204.6	1151.2	1169.0	1133.5	1070.1	994.3	930.9
4973.7	50°	4624.3	3899.0	1682.4	1085.5	1077.8	1152.0	1118.0	1026.8	940.2	859.0
5337.1	52.5°	4905.7	4039.8	1428.0	977.3	1038.4	1147.4	1097.9	997.4	891.5	806.4
5678.9	55°	5144.6	4112.4	1182.9	884.5	981.1	1107.9	1073.9	962.6	822.6	732.2
5913.1	57.5°	5280.7	4053.7	978.8	793.3	902.3	1043.0	1032.9	888.4	740.7	671.1
5958.7	60°	5221.9	3815.5	811.8	713.6	827.3	972.6	961.8	814.9	678.1	612.3
5714.4	62.5°	4898.0	3361.7	679.6	644.0	759.2	900.7	890.7	758.5	630.1	566.7
5065.7	65°	4245.4	2734.7	576.8	586.1	690.4	814.1	828.8	711.3	592.2	530.4
3919.1	67.5°	3238.0	1980.8	496.4	535.8	623.2	729.1	771.6	677.3	560.5	501.8
2267.7	70°	1845.5	1124.9	428.3	487.1	563.6	650.2	727.5	650.2	526.5	477.8
849.7	72.5°	699.7	516.5	370.3	438.4	506.4	583.7	678.8	607.7	487.1	450.8
439.2	75°	373.4	314.7	311.6	381.2	440.7	518.8	617.8	566.0	457.7	476.3
303.9	77.5°	254.4	222.7	260.6	326.3	368.8	446.9	552.8	502.6	396.6	395.1
210.3	80°	176.3	157.7	211.8	262.9	285.3	375.8	482.5	431.4	323.2	301.5
129.9	82.5°	105.9	102.8	158.5	196.4	201.8	289.9	399.7	361.8	264.4	230.4
77.3	85°	58.0	61.1	101.3	115.2	117.5	202.6	313.1	279.9	203.3	170.9
27.8	87.5°	16.2	20.9	37.1	45.6	56.4	105.1	186.3	166.2	102.1	71.1
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°
1905.8
2045.8
2134.7
2160.2
2146.3
2113.8
2069.0
1993.2
1910.5
1857.9
1814.6
1766.7
1713.3
1635.2
1533.9
1405.6
1259.5
1113.3
999.7
923.9
852.0
797.1
724.5
661.8
603.1
556.7
520.3
492.5
471.6
444.6
491.7
364.2
288.4
231.9
172.4
71.1
0.0

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