

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: P847528

Luminaire Tested: **GLAN-SB3C-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847528
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-SB3C-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15170 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

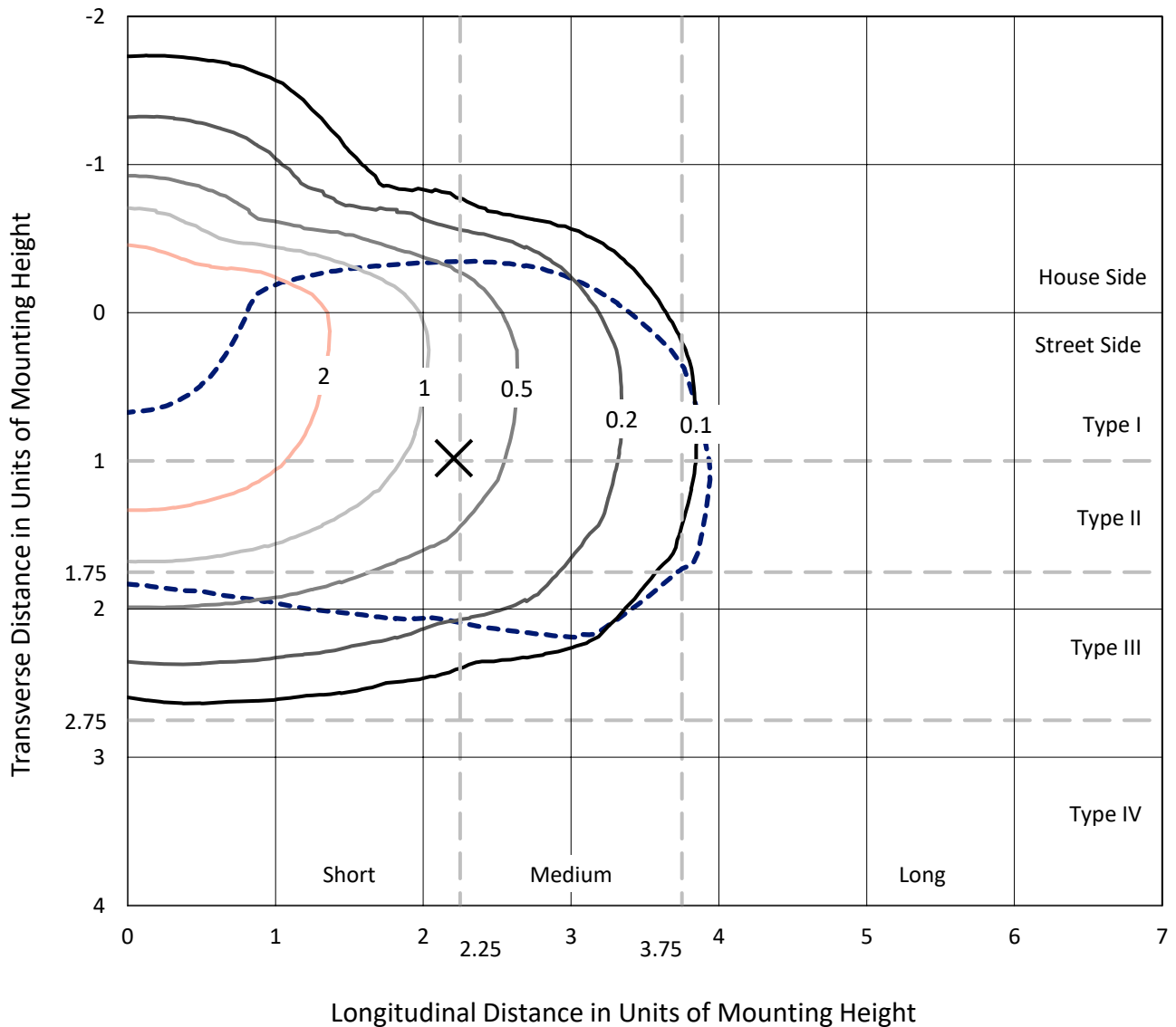
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

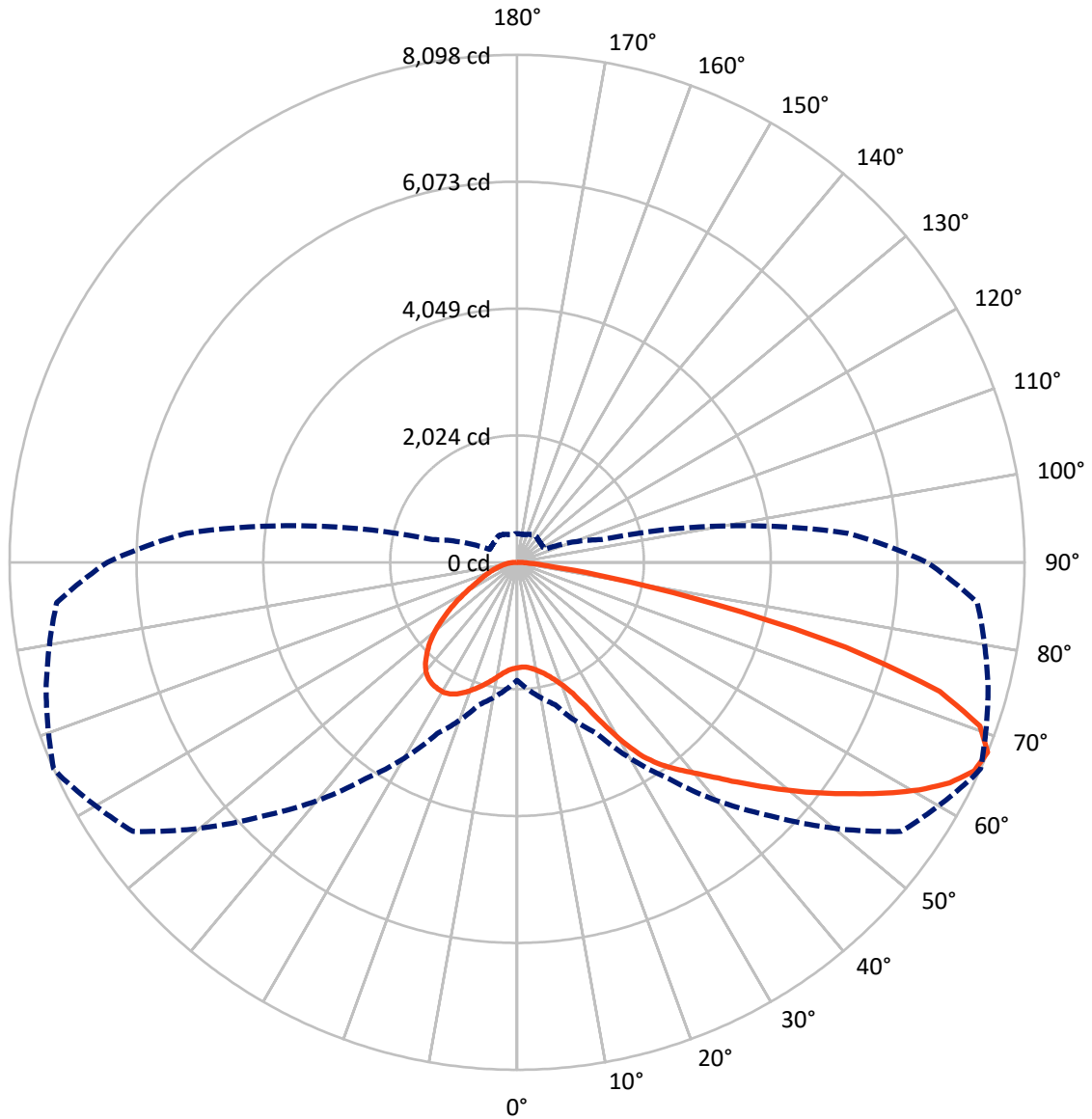
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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	3772.0	0.0	3772.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	11398.0	0.0	11398.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	15170.0	0.0	15170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	1.1
10°-20°	551.1	3.6
20°-30°	1062.3	7.0
30°-40°	1862.6	12.3
40°-50°	2769.1	18.3
50°-60°	3510.1	23.1
60°-70°	3434.5	22.6
70°-80°	1638.3	10.8
80°-90°	175.1	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°	15170.0	100.0
0°-180°	15170.0	100.0

Coefficient of Utilization



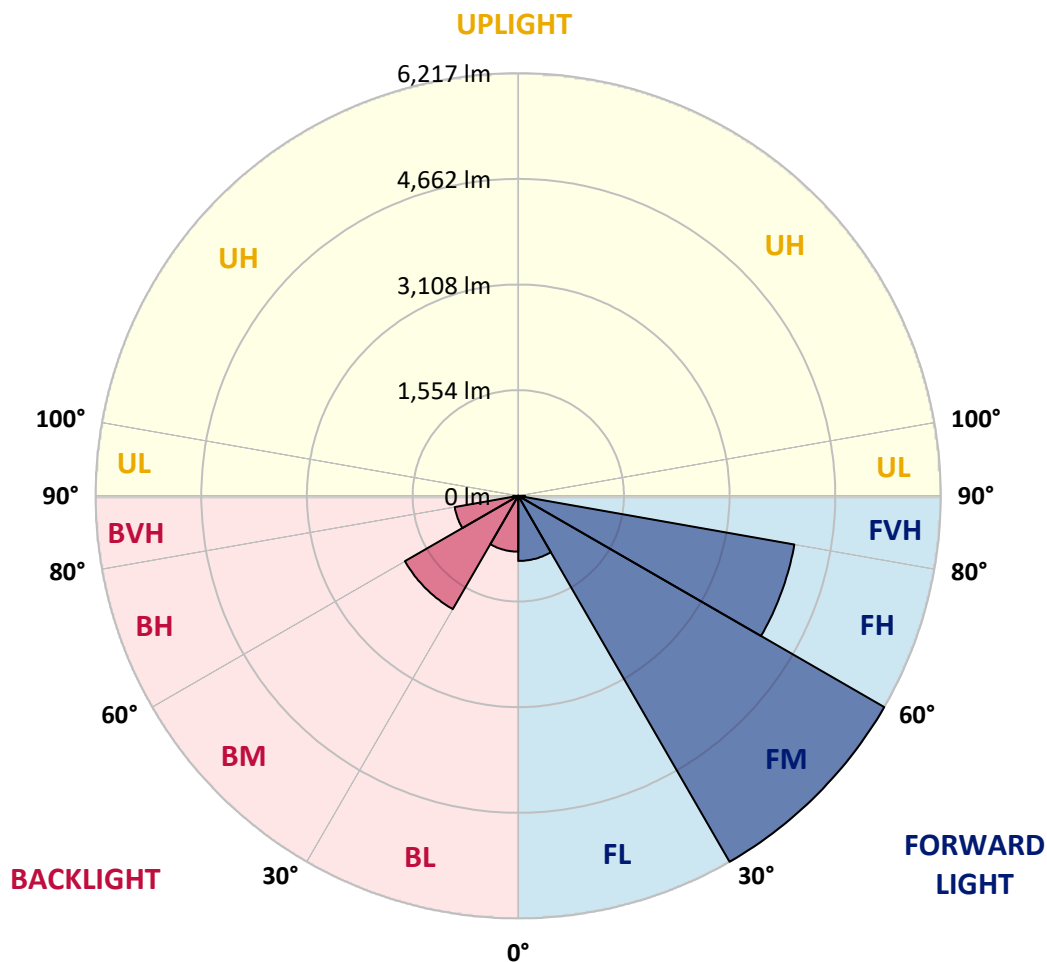
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	958.6	6.3			
FM (30°-60°)	6216.5	41.0			
FH (60°-80°)	4123.6	27.2			G2/5000
FVH (80°-90°)	99.3	0.7			G1/100
BL (0°-30°)	821.7	5.4	B2/1000		
BM (30°-60°)	1925.3	12.7	B2/2500		
BH (60°-80°)	949.2	6.3	B2/1000		G2/1000
BVH (80°-90°)	75.8	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°	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6
2.5°	1665.0	1674.6	1672.2	1668.2	1667.4	1669.0	1671.4	1673.8	1673.0	1677.0
5°	1660.2	1669.8	1669.0	1669.0	1672.2	1678.6	1682.6	1686.5	1682.6	1687.3
7.5°	1663.4	1670.6	1673.8	1677.0	1684.9	1696.9	1706.5	1715.2	1710.4	1716.0
10°	1704.1	1709.7	1712.8	1712.8	1718.4	1732.0	1741.5	1757.5	1753.5	1762.3
12.5°	1778.2	1783.8	1783.8	1780.6	1784.6	1793.3	1796.5	1814.1	1806.9	1821.2
15°	1869.1	1880.2	1871.5	1865.9	1867.5	1876.2	1875.4	1889.0	1881.8	1893.8
17.5°	1969.5	1983.8	1969.5	1968.7	1965.5	1975.1	1975.9	1987.8	1975.1	1983.8
20°	2088.2	2108.2	2096.2	2100.2	2093.0	2097.0	2101.0	2118.5	2098.6	2105.0
22.5°	2255.6	2279.5	2266.8	2281.9	2277.1	2274.0	2273.2	2304.2	2273.2	2275.6
25°	2499.5	2528.2	2505.9	2526.6	2526.6	2537.0	2548.9	2588.8	2537.0	2521.8
27.5°	2859.8	2888.5	2844.6	2857.4	2853.4	2878.9	2866.2	2965.0	2909.2	2884.5
30°	3293.4	3344.4	3261.5	3258.3	3254.3	3295.0	3313.3	3378.7	3322.1	3297.4
32.5°	3762.0	3815.4	3716.6	3687.9	3672.8	3697.5	3682.3	3734.9	3695.9	3657.6
35°	4257.8	4310.4	4216.3	4160.6	4100.0	4048.2	3994.0	4007.5	3970.9	3912.7
37.5°	4726.5	4822.9	4723.3	4663.5	4551.9	4450.7	4299.2	4236.3	4202.0	4148.6
40°	5203.9	5258.9	5183.2	5132.1	5011.0	4852.4	4610.1	4477.0	4430.8	4378.9
42.5°	5555.4	5608.0	5567.3	5532.3	5437.4	5253.3	4940.1	4773.5	4706.5	4648.3
45°	5834.3	5873.4	5847.9	5860.6	5820.0	5641.5	5282.0	5091.5	5022.2	4951.2
47.5°	5946.7	5988.2	6028.8	6104.5	6173.9	6042.4	5649.4	5435.8	5362.5	5290.0
50°	5934.0	5976.2	6094.2	6255.2	6470.4	6426.5	6036.8	5802.5	5734.7	5651.8
52.5°	5831.9	5879.8	6031.2	6299.0	6641.7	6714.3	6431.3	6181.1	6117.3	6018.5
55°	5564.1	5592.8	5820.0	6199.4	6682.4	6915.1	6817.9	6584.4	6520.6	6382.7
57.5°	5067.6	5109.0	5439.8	5930.8	6580.4	7051.4	7157.4	7008.4	6947.0	6748.5
60°	4419.6	4485.7	4864.3	5479.7	6320.5	7050.6	7465.9	7425.2	7374.2	7108.8
62.5°	3686.3	3762.8	4127.1	4842.0	5866.2	6850.6	7658.8	7774.3	7748.0	7441.2
65°	2831.1	2883.7	3246.3	4017.1	5159.2	6421.0	7681.1	8012.7	8017.4	7693.8
67.5°	1885.0	2036.4	2351.3	3014.4	4212.4	5718.8	7485.0	8051.7	8097.9	7780.7
70°	919.8	1119.0	1427.5	1959.1	3014.4	4642.0	6972.5	7731.3	7834.1	7527.3
72.5°	381.8	446.3	614.5	966.8	1730.4	3132.4	5942.7	6862.5	7053.0	6669.6
75°	257.4	279.0	351.5	495.8	788.3	1544.7	4285.7	5117.0	5423.9	5037.3
77.5°	198.5	212.0	255.9	346.7	468.7	584.2	2293.9	3083.8	3242.4	3001.7
80°	156.2	166.6	191.3	252.7	332.4	312.4	781.9	1397.2	1488.9	1249.0
82.5°	135.5	139.5	137.1	171.4	220.8	182.5	256.6	515.7	569.1	412.9
85°	98.0	109.2	114.0	106.0	117.2	92.5	105.2	182.5	200.9	179.3
87.5°	39.9	59.0	72.5	68.5	43.0	26.3	32.7	53.4	61.4	67.0
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°
1682.6	0°	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6	1682.6
1683.4	2.5°	1684.1	1689.7	1693.7	1698.5	1701.7	1706.5	1716.0	1721.6	1722.4
1696.1	5°	1699.3	1707.3	1716.0	1728.8	1743.1	1755.1	1773.4	1786.2	1791.0
1727.2	7.5°	1732.0	1743.1	1759.1	1781.4	1802.1	1818.1	1840.4	1855.5	1870.7
1776.6	10°	1780.6	1796.5	1819.6	1849.9	1872.2	1893.0	1916.1	1928.8	1944.0
1835.6	12.5°	1841.2	1857.9	1888.2	1930.4	1951.2	1965.5	1973.5	1970.3	1973.5
1906.5	15°	1910.5	1928.8	1963.1	2008.5	2022.9	2010.1	1992.6	1976.7	1974.3
1992.6	17.5°	1992.6	2006.2	2046.0	2084.3	2073.9	2021.3	1983.0	1957.5	1944.8
2102.6	20°	2107.4	2107.4	2140.1	2164.0	2094.6	2005.4	1945.6	1904.1	1877.8
2252.4	22.5°	2246.9	2234.1	2254.8	2238.1	2090.6	1960.7	1877.8	1806.1	1766.2
2462.1	25°	2423.8	2408.7	2403.1	2299.5	2061.9	1889.8	1755.1	1668.2	1633.1
2764.1	27.5°	2690.8	2652.6	2580.0	2332.9	2009.3	1778.2	1611.6	1531.1	1511.2
3152.3	30°	3046.3	2969.8	2792.0	2338.5	1923.3	1620.4	1465.0	1407.6	1398.0
3478.3	32.5°	3375.5	3302.9	3008.8	2313.0	1791.0	1465.8	1333.4	1295.2	1280.8
3727.0	35°	3633.7	3613.8	3209.7	2277.1	1628.4	1320.7	1215.5	1182.8	1154.9
3961.3	37.5°	3877.6	3869.6	3360.3	2226.9	1467.4	1217.9	1120.6	1077.6	1037.0
4220.3	40°	4145.4	4137.4	3459.2	2149.6	1324.7	1128.6	1035.4	978.8	928.6
4513.6	42.5°	4446.7	4399.7	3506.2	2038.8	1203.5	1052.9	966.0	889.5	823.3
4845.2	45°	4775.9	4669.9	3505.4	1897.8	1101.5	983.5	891.9	783.5	722.1
5185.5	47.5°	5125.0	4928.1	3462.3	1741.5	1002.7	907.0	777.1	694.2	653.6
5555.4	50°	5485.2	5169.6	3389.0	1562.2	901.5	820.2	705.4	648.8	617.7
5922.0	52.5°	5824.0	5388.8	3300.5	1359.0	798.6	735.7	673.5	629.7	597.0
6277.5	55°	6138.8	5577.7	3175.4	1150.9	714.9	679.1	658.4	621.7	584.2
6638.6	57.5°	6418.6	5700.4	2959.4	955.7	655.2	640.0	642.4	608.1	565.1
6994.0	60°	6651.3	5790.5	2639.8	774.7	606.5	601.8	617.7	582.6	532.4
7294.5	62.5°	6790.8	5788.9	2247.7	634.4	565.1	566.7	585.0	550.8	499.7
7451.5	65°	6778.8	5647.0	1817.3	542.8	525.2	526.8	550.8	515.7	472.6
7372.6	67.5°	6538.9	5301.1	1394.0	483.0	481.4	488.6	516.5	491.8	455.9
6902.4	70°	5889.3	4583.0	1004.3	435.2	436.0	446.3	483.0	476.6	447.1
5803.3	72.5°	4722.5	3494.2	674.3	385.0	385.8	402.5	451.1	464.7	438.4
4117.5	75°	3145.1	2179.1	433.6	331.6	332.4	353.9	423.2	441.6	414.5
2142.4	77.5°	1511.2	979.6	314.0	279.0	279.0	298.9	365.8	395.3	353.1
688.6	80°	522.1	368.2	247.1	224.8	220.0	233.5	308.5	342.7	304.5
224.8	82.5°	205.6	191.3	198.5	174.6	158.6	167.4	239.9	282.9	224.0
126.7	85°	118.0	124.3	140.3	115.6	91.7	102.8	176.1	203.2	169.0
41.4	87.5°	31.9	43.8	64.6	59.8	41.4	43.8	83.7	112.4	97.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
1682.6
1725.6
1794.1
1877.0
1953.5
1980.6
1981.4
1946.4
1864.3
1747.9
1626.0
1514.4
1415.5
1292.0
1153.3
1015.4
891.9
788.3
685.5
627.3
590.6
565.1
547.6
528.4
495.8
468.7
457.5
456.7
449.5
487.0
483.0
341.1
263.0
201.7
152.2
77.3
0.0

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