

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: P852890

Luminaire Tested: **GLAN-SB7A-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7A-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16295 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

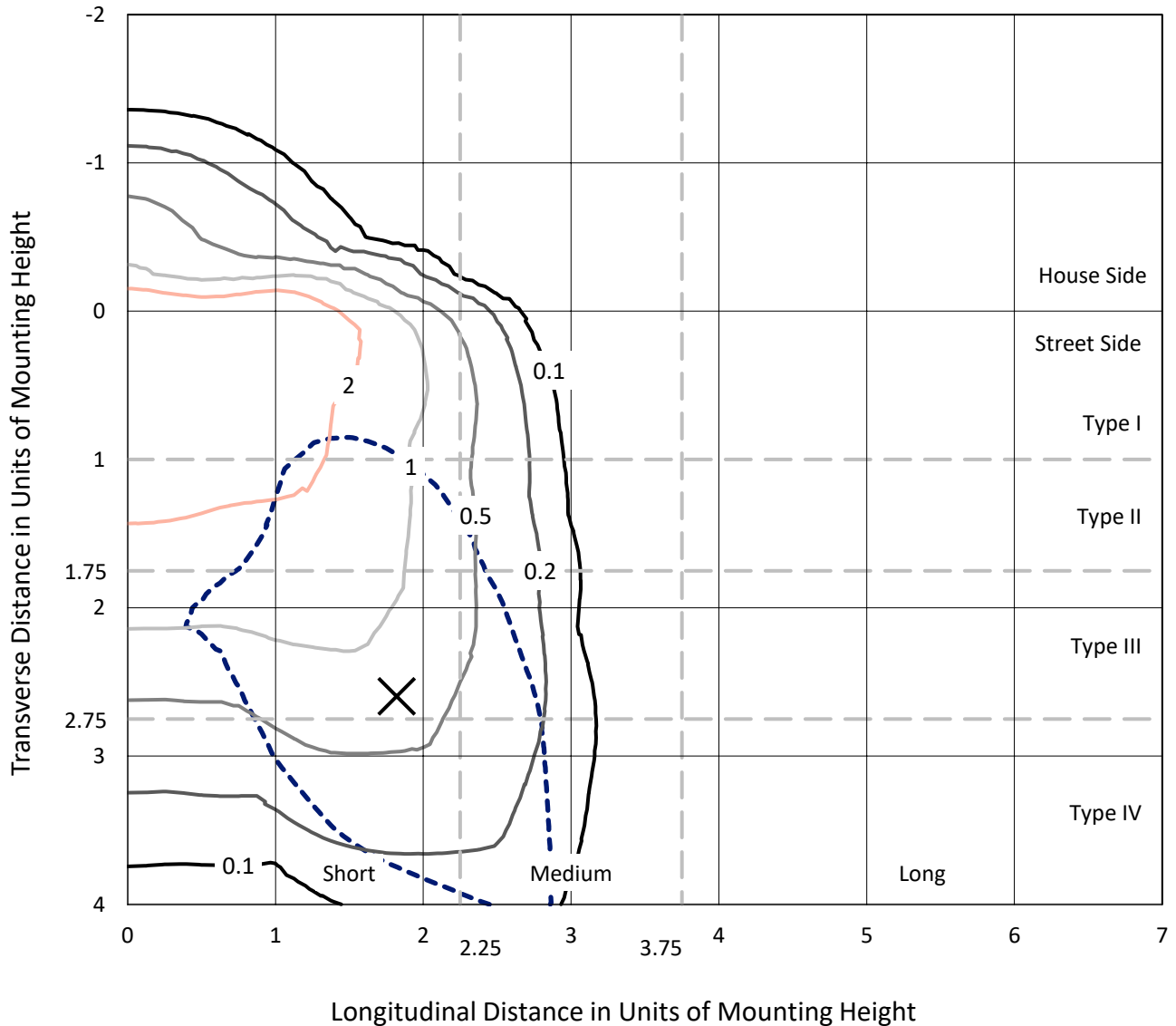
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

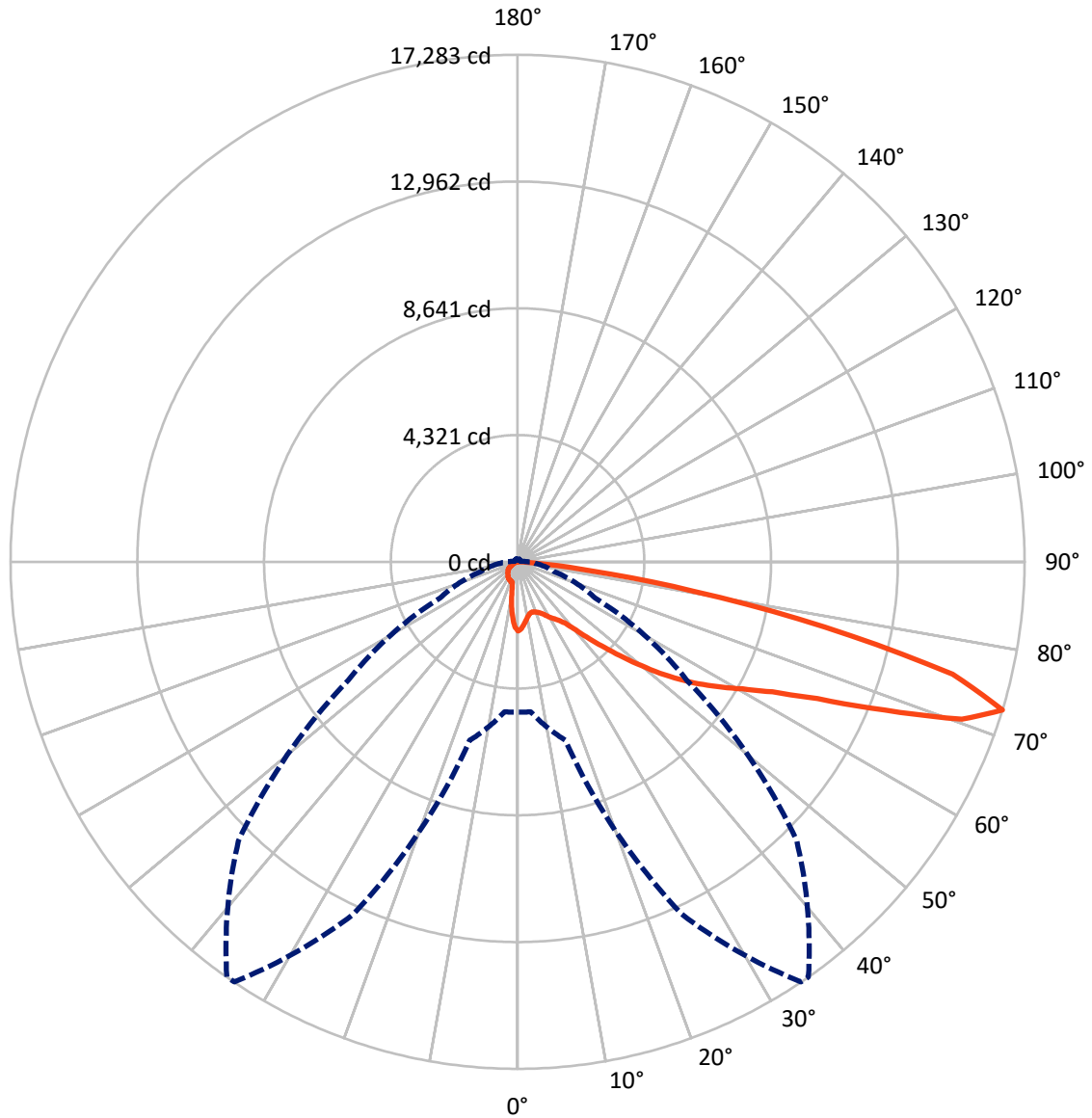
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1833.9	0.0	1833.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	14461.1	0.0	14461.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	16295.0	0.0	16295.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.1	1.2
10°-20°	454.0	2.8
20°-30°	737.5	4.5
30°-40°	1230.5	7.6
40°-50°	2328.2	14.3
50°-60°	3699.5	22.7
60°-70°	4576.5	28.1
70°-80°	2844.8	17.5
80°-90°	229.9	1.4
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°	16295.0	100.0
0°-180°	16295.0	100.0

Coefficient of Utilization



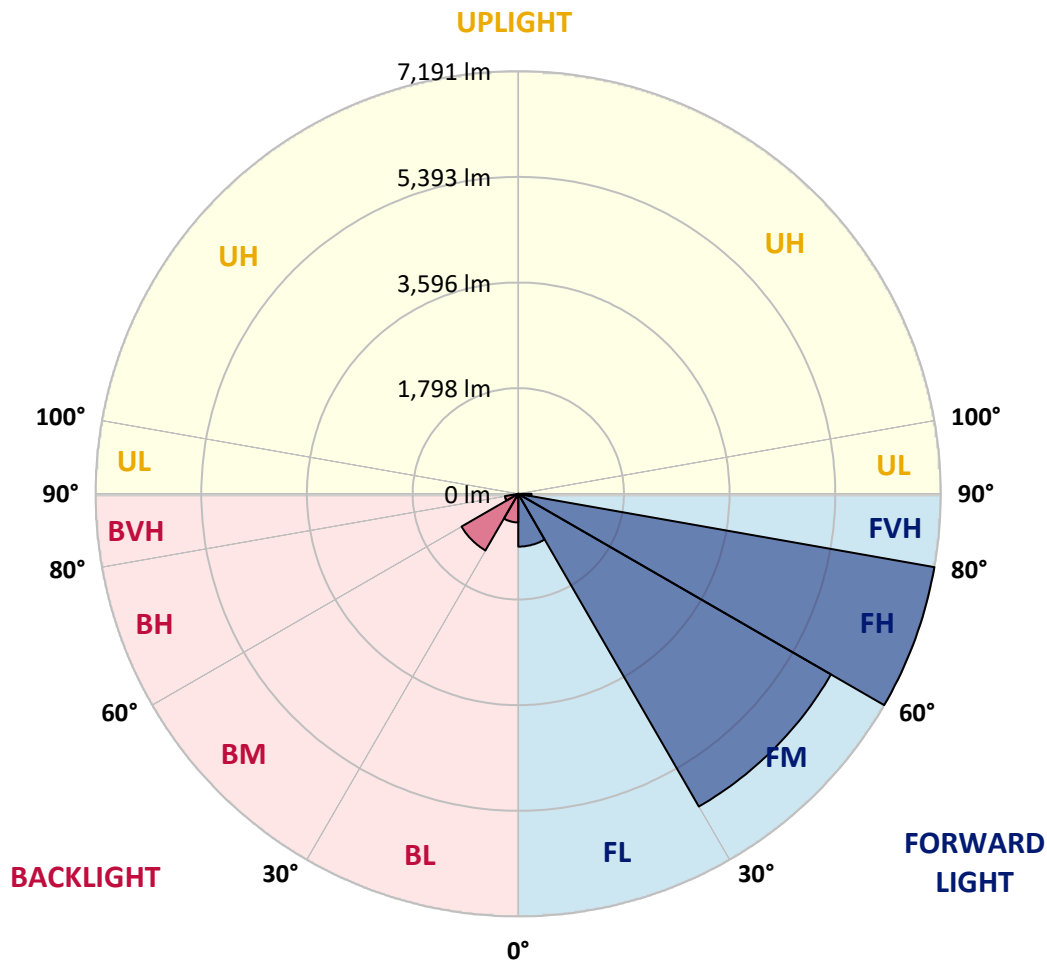
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	898.3	5.5			
FM (30°-60°)	6144.8	37.7			
FH (60°-80°)	7191.2	44.1			G3/7500
FVH (80°-90°)	226.8	1.4			G3/500
BL (0°-30°)	487.3	3.0	B1/500		
BM (30°-60°)	1113.4	6.8	B2/2500		
BH (60°-80°)	230.1	1.4	B1/500		G1/500
BVH (80°-90°)	3.1	0.0			G0/10
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°	34°	35°	45°	55°	65°	75°
0°	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7
2.5°	2256.6	2275.7	2279.3	2285.3	2285.3	2292.4	2304.4	2321.1	2348.6	2362.9
5°	2079.9	2094.2	2112.2	2126.5	2153.9	2157.5	2204.1	2249.5	2312.7	2360.5
7.5°	1902.0	1918.7	1942.6	1977.2	2013.0	2023.8	2094.2	2170.7	2270.9	2360.5
10°	1776.6	1777.8	1799.3	1834.0	1891.3	1904.4	1990.4	2099.0	2224.4	2346.2
12.5°	1706.2	1714.6	1724.1	1750.4	1805.3	1813.7	1905.6	2033.3	2177.8	2337.8
15°	1706.2	1712.2	1718.1	1731.3	1775.4	1782.6	1863.8	1991.6	2153.9	2341.4
17.5°	1724.1	1733.7	1728.9	1744.4	1791.0	1795.7	1867.4	1979.6	2152.7	2364.1
20°	1767.1	1774.3	1764.7	1774.3	1820.8	1830.4	1904.4	2002.3	2173.0	2403.5
22.5°	1835.1	1838.7	1816.0	1823.2	1871.0	1882.9	1968.9	2066.8	2222.0	2466.8
25°	1921.1	1928.3	1893.7	1902.0	1947.4	1961.7	2060.8	2163.5	2299.6	2553.9
27.5°	2020.2	2023.8	1993.9	1992.8	2051.3	2071.6	2171.8	2282.9	2403.5	2663.8
30°	2133.6	2144.4	2115.7	2111.0	2185.0	2201.7	2300.8	2429.7	2556.3	2828.5
32.5°	2223.2	2231.5	2214.8	2226.8	2302.0	2315.1	2457.2	2637.5	2796.3	3062.6
35°	2352.1	2356.9	2318.7	2340.2	2426.2	2459.6	2670.9	2928.8	3098.4	3356.3
37.5°	2819.0	2819.0	2656.6	2550.3	2632.7	2662.6	2963.5	3295.4	3470.9	3750.3
40°	3464.9	3454.2	3216.6	2999.3	2988.5	3047.0	3380.2	3757.5	3952.1	4223.1
42.5°	4153.9	4137.1	3813.6	3598.7	3562.8	3583.1	3861.3	4327.0	4525.2	4799.8
45°	4765.2	4760.4	4464.3	4175.3	4110.9	4175.3	4461.9	4993.2	5135.3	5424.2
47.5°	5277.4	5277.4	5061.3	4872.6	4839.2	4877.4	5275.0	5732.3	5719.2	6089.3
50°	5867.2	5862.4	5657.1	5575.9	5610.5	5664.2	6211.1	6510.8	6323.3	6742.4
52.5°	6280.3	6309.0	6238.5	6225.4	6402.1	6495.2	7161.5	7272.5	6864.2	7362.1
55°	6607.5	6640.9	6722.1	6814.0	7154.3	7276.1	8082.0	7994.9	7316.7	7899.4
57.5°	7070.7	7023.0	7148.4	7329.8	7880.3	8027.1	8974.0	8676.7	7680.9	8335.2
60°	7633.1	7640.3	7661.8	7891.0	8605.0	8793.7	9852.7	9321.4	7914.9	8602.6
62.5°	8308.9	8319.7	8363.8	8716.1	9578.1	9756.0	10788.8	9849.1	8022.3	8527.4
65°	8262.3	8307.7	8800.8	10005.5	11057.4	11233.0	11881.3	10219.3	7860.0	7839.7
67.5°	7526.8	7600.9	8425.9	11545.8	13287.8	13483.6	13201.8	10292.1	7159.1	6096.5
70°	6562.1	6588.4	7580.6	12930.8	15870.4	16068.6	14383.9	9490.9	5432.6	3400.5
72.5°	5124.6	5130.5	6294.7	13252.0	17272.1	17282.9	13456.2	7045.7	2921.7	1306.2
75°	3660.7	3624.9	4215.9	10747.0	15195.8	15317.6	10087.9	3304.9	1116.4	617.3
77.5°	1962.9	2002.3	2385.6	6373.5	10497.5	10705.2	5504.2	952.8	568.3	420.3
80°	606.5	640.0	977.9	2918.1	5946.0	6071.4	2040.5	423.9	396.4	299.7
82.5°	191.0	198.2	456.1	1226.2	2468.0	2525.3	591.0	240.0	271.0	198.2
85°	54.9	56.1	203.0	457.3	610.1	622.1	166.0	93.1	155.2	123.0
87.5°	6.0	19.1	76.4	76.4	53.7	52.5	17.9	20.3	44.2	15.5
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°
2361.7	0°	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7	2361.7
2372.4	2.5°	2366.5	2367.7	2352.1	2325.9	2297.2	2273.3	2243.5	2219.6	2202.9	2198.1
2393.9	5°	2383.2	2374.8	2330.6	2250.7	2155.1	2072.7	1980.8	1908.0	1860.2	1839.9
2416.6	7.5°	2408.3	2384.4	2287.7	2130.1	1947.4	1785.0	1620.2	1492.5	1411.3	1370.7
2438.1	10°	2429.7	2382.0	2216.0	1955.7	1676.3	1430.4	1208.3	1054.3	968.3	927.7
2463.2	12.5°	2450.0	2380.8	2122.9	1749.2	1370.7	1069.8	863.2	786.8	763.0	754.6
2503.8	15°	2488.3	2384.4	2005.9	1512.8	1066.2	808.3	733.1	731.9	736.7	734.3
2565.9	17.5°	2540.8	2388.0	1873.4	1262.0	822.7	712.8	709.2	720.0	727.1	723.6
2643.5	20°	2608.8	2402.3	1732.5	1013.7	706.8	688.9	697.3	706.8	712.8	706.8
2747.3	22.5°	2704.4	2427.4	1578.4	814.3	669.8	674.6	681.8	692.5	698.5	690.1
2879.9	25°	2821.4	2466.8	1426.8	708.0	651.9	657.9	668.6	680.6	687.7	679.4
3047.0	27.5°	2973.0	2530.0	1287.1	684.2	634.0	637.6	653.1	671.0	680.6	669.8
3284.6	30°	3192.7	2633.9	1166.5	694.9	623.3	614.9	636.4	661.5	672.2	662.7
3608.2	32.5°	3484.0	2780.8	1092.5	711.6	618.5	588.6	608.9	641.2	659.1	653.1
4030.9	35°	3866.1	3004.1	1063.8	730.7	614.9	561.2	575.5	610.1	641.2	647.1
4563.4	37.5°	4329.4	3314.5	1072.2	739.1	604.2	538.5	545.6	575.5	616.1	635.2
5162.8	40°	4855.9	3676.3	1120.0	730.7	592.2	519.4	520.6	543.3	579.1	607.7
5807.5	42.5°	5399.2	4098.9	1208.3	699.7	581.5	502.7	499.1	514.6	538.5	558.8
6451.1	45°	5916.2	4533.5	1295.5	656.7	568.3	485.9	477.6	483.6	488.3	496.7
7077.9	47.5°	6367.5	4839.2	1270.4	617.3	550.4	466.8	452.5	450.1	435.8	434.6
7637.9	50°	6679.1	4906.1	1128.3	577.9	524.2	445.4	422.7	408.3	383.3	371.3
8057.0	52.5°	6778.2	4642.2	921.8	538.5	481.2	416.7	384.5	361.8	330.7	320.0
8298.2	55°	6646.9	4125.2	736.7	490.7	421.5	378.5	342.7	312.8	287.7	274.6
8324.4	57.5°	6325.7	3467.3	582.7	434.6	358.2	335.5	299.7	269.8	248.3	235.2
8033.1	60°	5793.2	2753.3	460.9	367.7	305.7	288.9	251.9	232.8	213.7	198.2
7280.9	62.5°	4984.9	1965.3	361.8	291.3	255.5	236.4	214.9	200.6	177.9	156.4
5928.1	65°	3890.0	1202.3	279.4	213.7	205.4	195.8	182.7	169.5	142.1	120.6
3867.3	67.5°	2453.6	569.5	199.4	161.2	162.4	157.6	151.6	140.9	120.6	101.5
1732.5	70°	1080.6	275.8	131.3	123.0	120.6	120.6	125.4	121.8	102.7	84.8
601.8	72.5°	367.7	148.1	97.9	93.1	87.2	86.0	105.1	101.5	82.4	65.7
299.7	75°	192.2	99.1	71.6	66.9	52.5	63.3	83.6	78.8	58.5	43.0
198.2	77.5°	125.4	70.4	49.0	43.0	29.8	41.8	62.1	54.9	34.6	21.5
130.1	80°	78.8	46.6	28.7	20.3	14.3	22.7	33.4	23.9	13.1	4.8
76.4	82.5°	41.8	23.9	10.7	7.2	6.0	7.2	8.4	6.0	2.4	0.0
39.4	85°	16.7	8.4	3.6	2.4	1.2	0.0	2.4	1.2	0.0	0.0
7.2	87.5°	6.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
2361.7
2206.5
1847.1
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669.8
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