

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: P852752

Luminaire Tested: **GLAN-SB6A-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852752
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-SB6A-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 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: 13263 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

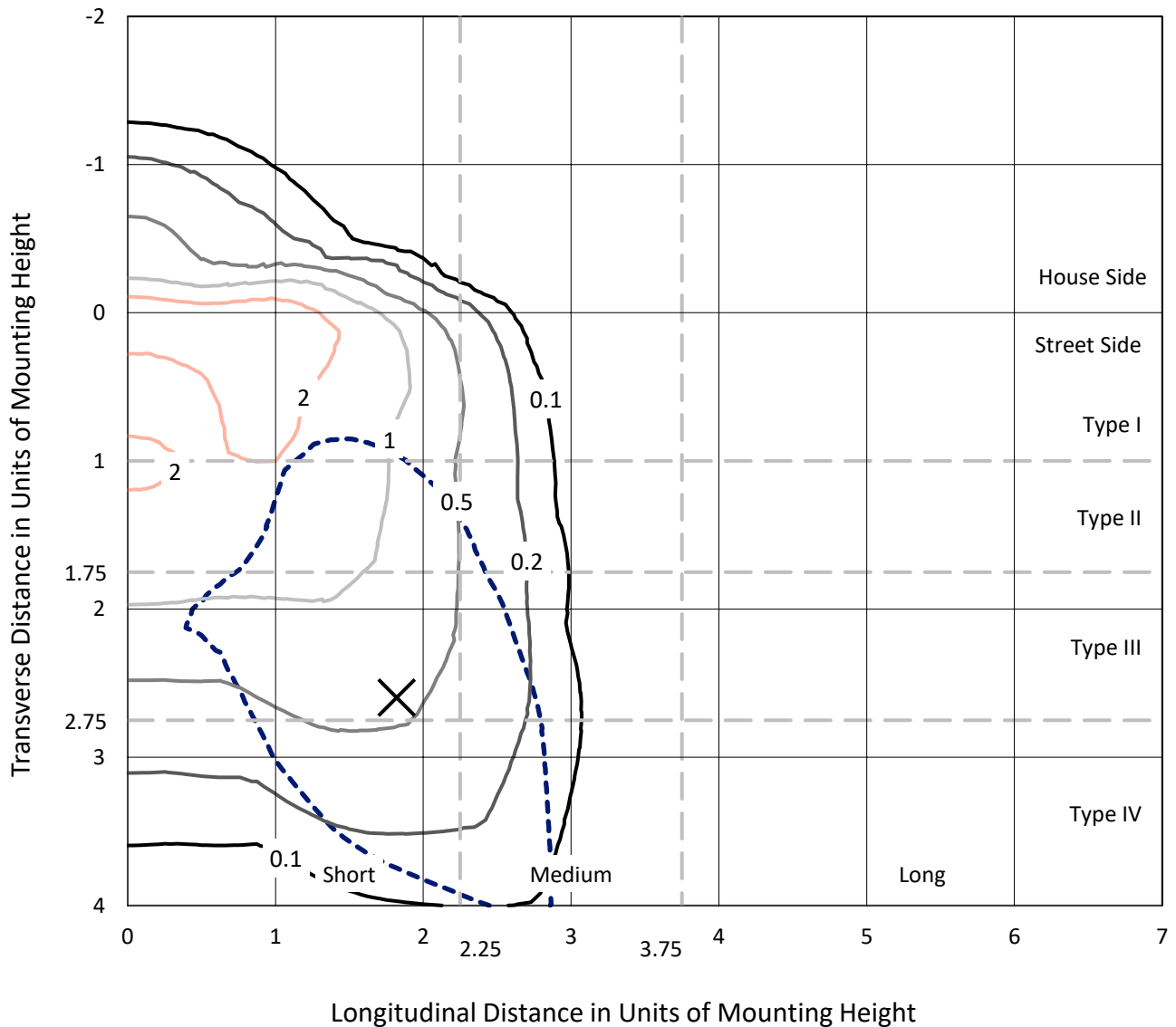
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

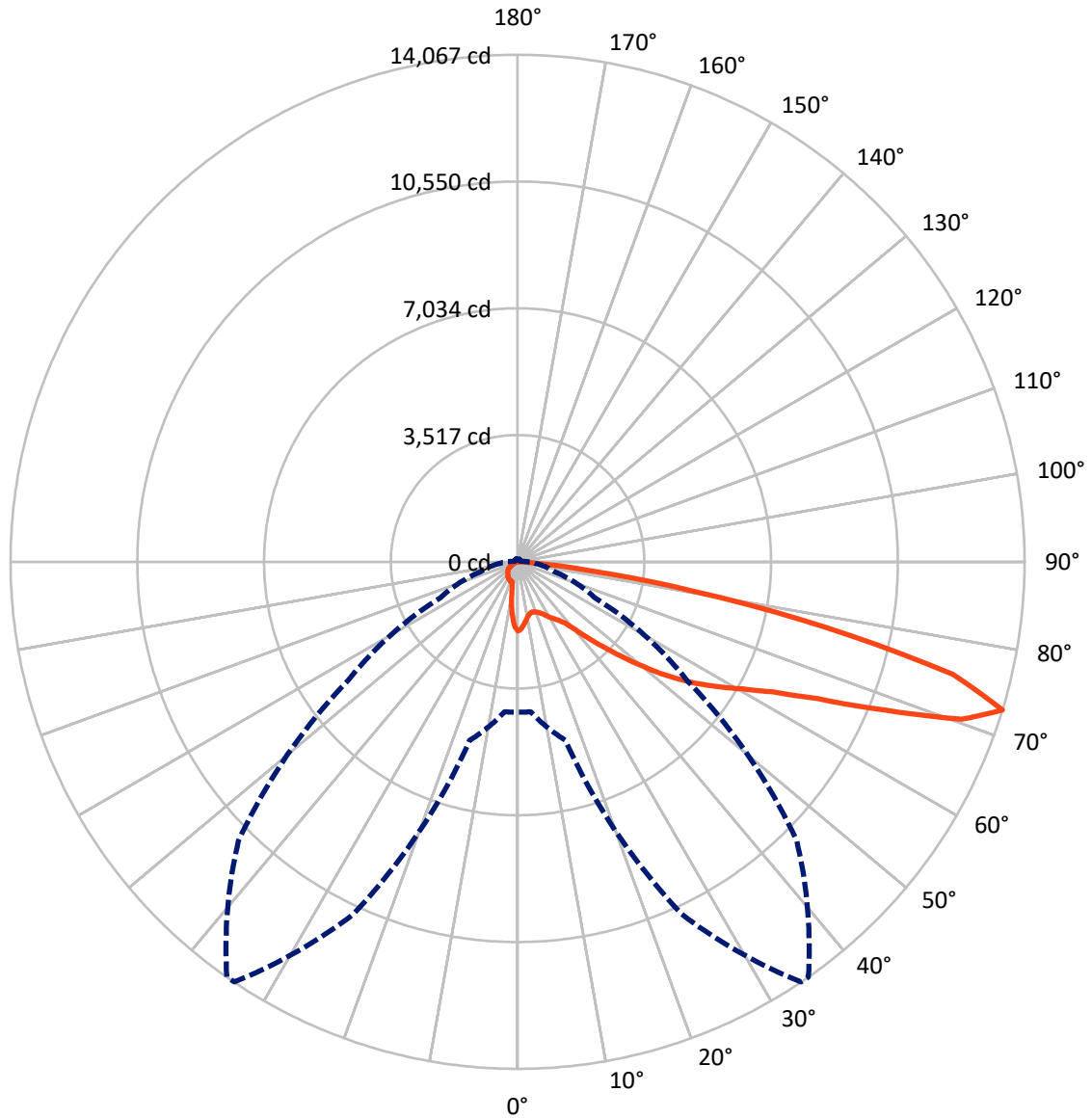
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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	1492.7	0.0	1492.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	11770.3	0.0	11770.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	13263.0	0.0	13263.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.0	1.2
10°-20°	369.5	2.8
20°-30°	600.3	4.5
30°-40°	1001.6	7.6
40°-50°	1895.0	14.3
50°-60°	3011.1	22.7
60°-70°	3725.0	28.1
70°-80°	2315.5	17.5
80°-90°	187.1	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°	13263.0	100.0
0°-180°	13263.0	100.0

Coefficient of Utilization



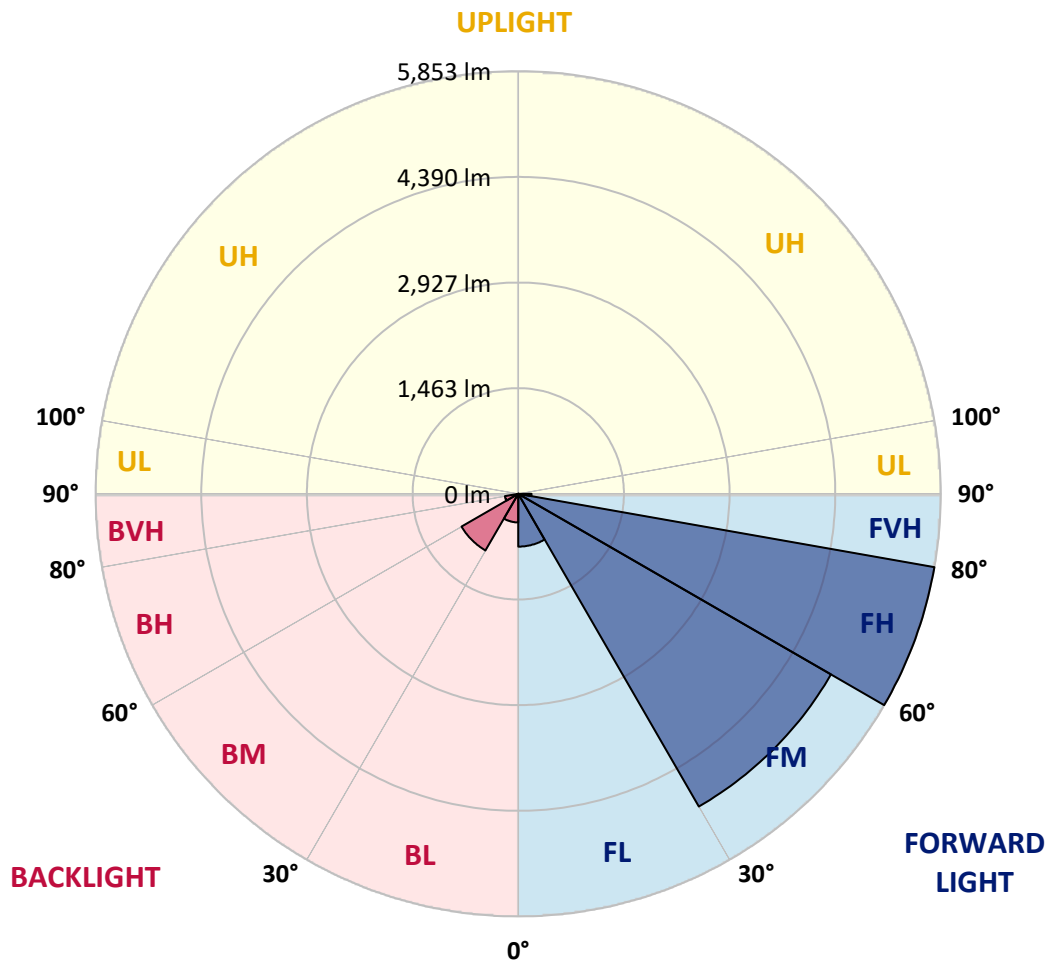
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	731.1	5.5			
FM (30°-60°)	5001.5	37.7			
FH (60°-80°)	5853.1	44.1			G3/7500
FVH (80°-90°)	184.6	1.4			G2/225
BL (0°-30°)	396.6	3.0	B1/500		
BM (30°-60°)	906.2	6.8	B1/1000		
BH (60°-80°)	187.3	1.4	B1/500		G1/500
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1922.3	1922.3	1922.3	1922.3	1922.3	1922.3	1922.3	1922.3	1922.3	1922.3
2.5°	1836.7	1852.3	1855.2	1860.1	1860.1	1865.9	1875.6	1889.2	1911.6	1923.2
5°	1692.9	1704.6	1719.1	1730.8	1753.2	1756.1	1794.0	1830.9	1882.4	1921.3
7.5°	1548.1	1561.7	1581.1	1609.3	1638.5	1647.2	1704.6	1766.8	1848.4	1921.3
10°	1446.1	1447.0	1464.5	1492.7	1539.4	1550.0	1620.0	1708.5	1810.5	1909.6
12.5°	1388.7	1395.5	1403.3	1424.7	1469.4	1476.2	1551.0	1655.0	1772.6	1902.8
15°	1388.7	1393.6	1398.4	1409.1	1445.1	1450.9	1517.0	1621.0	1753.2	1905.7
17.5°	1403.3	1411.1	1407.2	1419.8	1457.7	1461.6	1519.9	1611.3	1752.2	1924.2
20°	1438.3	1444.1	1436.3	1444.1	1482.0	1489.8	1550.0	1629.7	1768.7	1956.3
22.5°	1493.7	1496.6	1478.1	1484.0	1522.8	1532.6	1602.5	1682.2	1808.6	2007.8
25°	1563.7	1569.5	1541.3	1548.1	1585.0	1596.7	1677.4	1760.9	1871.7	2078.7
27.5°	1644.3	1647.2	1622.9	1622.0	1669.6	1686.1	1767.7	1858.1	1956.3	2168.1
30°	1736.6	1745.4	1722.1	1718.2	1778.4	1792.0	1872.7	1977.6	2080.7	2302.2
32.5°	1809.5	1816.3	1802.7	1812.4	1873.7	1884.4	2000.0	2146.7	2276.0	2492.7
35°	1914.5	1918.4	1887.3	1904.8	1974.7	2001.9	2174.0	2383.9	2521.9	2731.8
37.5°	2294.5	2294.5	2162.3	2075.8	2142.9	2167.2	2412.0	2682.2	2825.1	3052.5
40°	2820.2	2811.5	2618.1	2441.2	2432.5	2480.1	2751.2	3058.3	3216.7	3437.3
42.5°	3381.0	3367.3	3104.0	2929.1	2899.9	2916.4	3142.9	3521.9	3683.2	3906.7
45°	3878.5	3874.6	3633.6	3398.4	3346.0	3398.4	3631.7	4064.1	4179.8	4415.0
47.5°	4295.4	4295.4	4119.5	3966.0	3938.8	3969.9	4293.5	4665.7	4655.0	4956.3
50°	4775.5	4771.6	4604.5	4538.4	4566.6	4610.3	5055.4	5299.3	5146.7	5487.8
52.5°	5111.8	5135.1	5077.7	5067.1	5210.9	5286.7	5829.0	5919.3	5587.0	5992.2
55°	5378.0	5405.2	5471.3	5546.2	5823.1	5922.3	6578.2	6507.3	5955.3	6429.5
57.5°	5755.1	5716.2	5818.3	5966.0	6414.0	6533.5	7304.2	7062.2	6251.7	6784.3
60°	6212.8	6218.7	6236.1	6422.7	7003.9	7157.4	8019.4	7587.0	6442.2	7001.9
62.5°	6762.9	6771.6	6807.6	7094.3	7795.9	7940.7	8781.3	8016.5	6529.6	6940.7
65°	6725.0	6761.9	7163.3	8143.8	9000.0	9142.9	9670.5	8317.8	6397.5	6380.9
67.5°	6126.3	6186.6	6858.1	9397.5	10815.3	10974.7	10745.4	8377.1	5827.0	4962.1
70°	5341.1	5362.5	6170.1	10524.8	12917.4	13078.7	11707.5	7725.0	4421.8	2767.7
72.5°	4171.0	4175.9	5123.4	10786.2	14058.3	14067.0	10952.4	5734.7	2378.0	1063.2
75°	2979.6	2950.4	3431.5	8747.3	12368.3	12467.4	8210.9	2690.0	908.6	502.4
77.5°	1597.7	1629.7	1941.7	5187.6	8544.2	8713.3	4480.1	775.5	462.6	342.1
80°	493.7	520.9	795.9	2375.1	4839.6	4941.7	1660.8	345.0	322.6	243.9
82.5°	155.5	161.3	371.2	998.1	2008.7	2055.4	481.0	195.3	220.6	161.3
85°	44.7	45.7	165.2	372.2	496.6	506.3	135.1	75.8	126.3	100.1
87.5°	4.9	15.5	62.2	62.2	43.7	42.8	14.6	16.5	36.0	12.6
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°
1922.3	0°	1922.3	1922.3	1922.3	1922.3	1922.3	1922.3	1922.3	1922.3	1922.3	1922.3
1931.0	2.5°	1926.1	1927.1	1914.5	1893.1	1869.8	1850.3	1826.0	1806.6	1793.0	1789.1
1948.5	5°	1939.7	1932.9	1897.0	1831.9	1754.1	1687.1	1612.2	1553.0	1514.1	1497.6
1967.0	7.5°	1960.2	1940.7	1862.0	1733.7	1585.0	1452.9	1318.8	1214.8	1148.7	1115.6
1984.4	10°	1977.6	1938.8	1803.7	1591.8	1364.4	1164.2	983.5	858.1	788.1	755.1
2004.9	12.5°	1994.2	1937.8	1727.9	1423.7	1115.6	870.7	702.6	640.4	621.0	614.2
2037.9	15°	2025.3	1940.7	1632.7	1231.3	867.8	657.9	596.7	595.7	599.6	597.7
2088.4	17.5°	2068.0	1943.6	1524.8	1027.2	669.6	580.2	577.3	586.0	591.8	588.9
2151.6	20°	2123.4	1955.3	1410.1	825.1	575.3	560.7	567.5	575.3	580.2	575.3
2236.2	22.5°	2201.2	1975.7	1284.7	662.8	545.2	549.1	554.9	563.7	568.5	561.7
2344.0	25°	2296.4	2007.8	1161.3	576.3	530.6	535.5	544.2	553.9	559.8	553.0
2480.1	27.5°	2419.8	2059.3	1047.6	556.9	516.0	519.0	531.6	546.2	553.9	545.2
2673.5	30°	2598.6	2143.8	949.5	565.6	507.3	500.5	518.0	538.4	547.1	539.4
2936.8	32.5°	2835.8	2263.4	889.2	579.2	503.4	479.1	495.6	521.9	536.4	531.6
3280.9	35°	3146.7	2445.1	865.9	594.8	500.5	456.8	468.4	496.6	521.9	526.7
3714.3	37.5°	3523.8	2697.8	872.7	601.6	491.7	438.3	444.1	468.4	501.5	517.0
4202.1	40°	3952.4	2992.2	911.6	594.8	482.0	422.7	423.7	442.2	471.3	494.7
4726.9	42.5°	4394.6	3336.2	983.5	569.5	473.3	409.1	406.2	418.9	438.3	454.8
5250.7	45°	4815.4	3690.0	1054.4	534.5	462.6	395.5	388.7	393.6	397.5	404.3
5760.9	47.5°	5182.7	3938.8	1034.0	502.4	448.0	380.0	368.3	366.4	354.7	353.7
6216.7	50°	5436.3	3993.2	918.4	470.4	426.6	362.5	344.0	332.4	312.0	302.2
6557.8	52.5°	5517.0	3778.4	750.2	438.3	391.6	339.2	312.9	294.5	269.2	260.4
6754.1	55°	5410.1	3357.6	599.6	399.4	343.1	308.1	278.9	254.6	234.2	223.5
6775.5	57.5°	5148.7	2822.2	474.2	353.7	291.5	273.1	243.9	219.6	202.1	191.4
6538.4	60°	4715.3	2241.0	375.1	299.3	248.8	235.2	205.1	189.5	174.0	161.3
5926.1	62.5°	4057.3	1599.6	294.5	237.1	208.0	192.4	174.9	163.3	144.8	127.3
4825.1	65°	3166.2	978.6	227.4	174.0	167.2	159.4	148.7	138.0	115.6	98.2
3147.7	67.5°	1997.1	463.6	162.3	131.2	132.2	128.3	123.4	114.7	98.2	82.6
1410.1	70°	879.5	224.5	106.9	100.1	98.2	98.2	102.0	99.1	83.6	69.0
489.8	72.5°	299.3	120.5	79.7	75.8	70.9	70.0	85.5	82.6	67.1	53.4
243.9	75°	156.5	80.7	58.3	54.4	42.8	51.5	68.0	64.1	47.6	35.0
161.3	77.5°	102.0	57.3	39.8	35.0	24.3	34.0	50.5	44.7	28.2	17.5
105.9	80°	64.1	37.9	23.3	16.5	11.7	18.5	27.2	19.4	10.7	3.9
62.2	82.5°	34.0	19.4	8.7	5.8	4.9	5.8	6.8	4.9	1.9	0.0
32.1	85°	13.6	6.8	2.9	1.9	1.0	0.0	1.9	1.0	0.0	0.0
5.8	87.5°	4.9	1.0	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°
1922.3
1795.9
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545.2
538.4
531.6
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520.9
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