

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: P849227

Luminaire Tested: **GLAN-SB6A-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14393 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

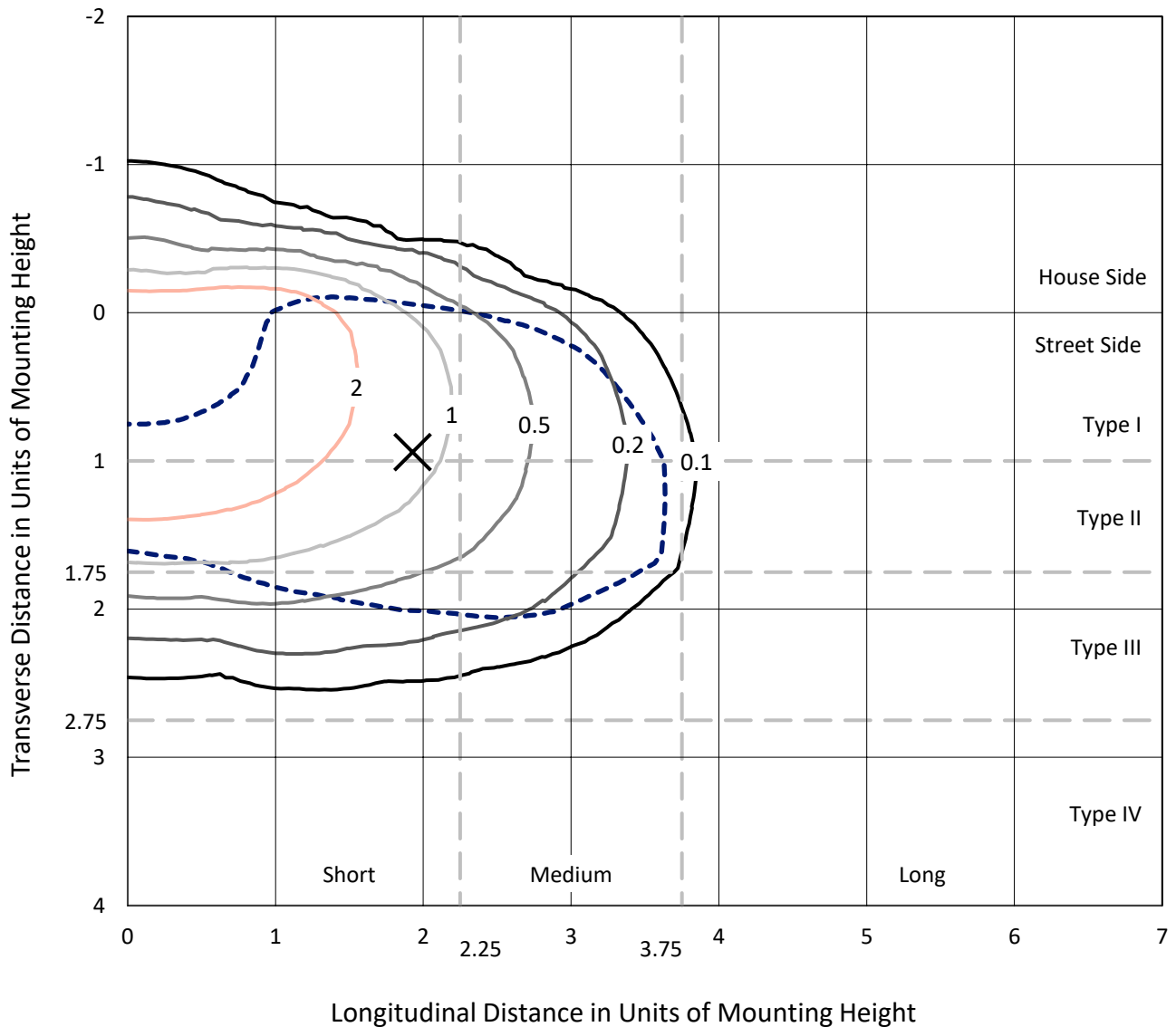
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

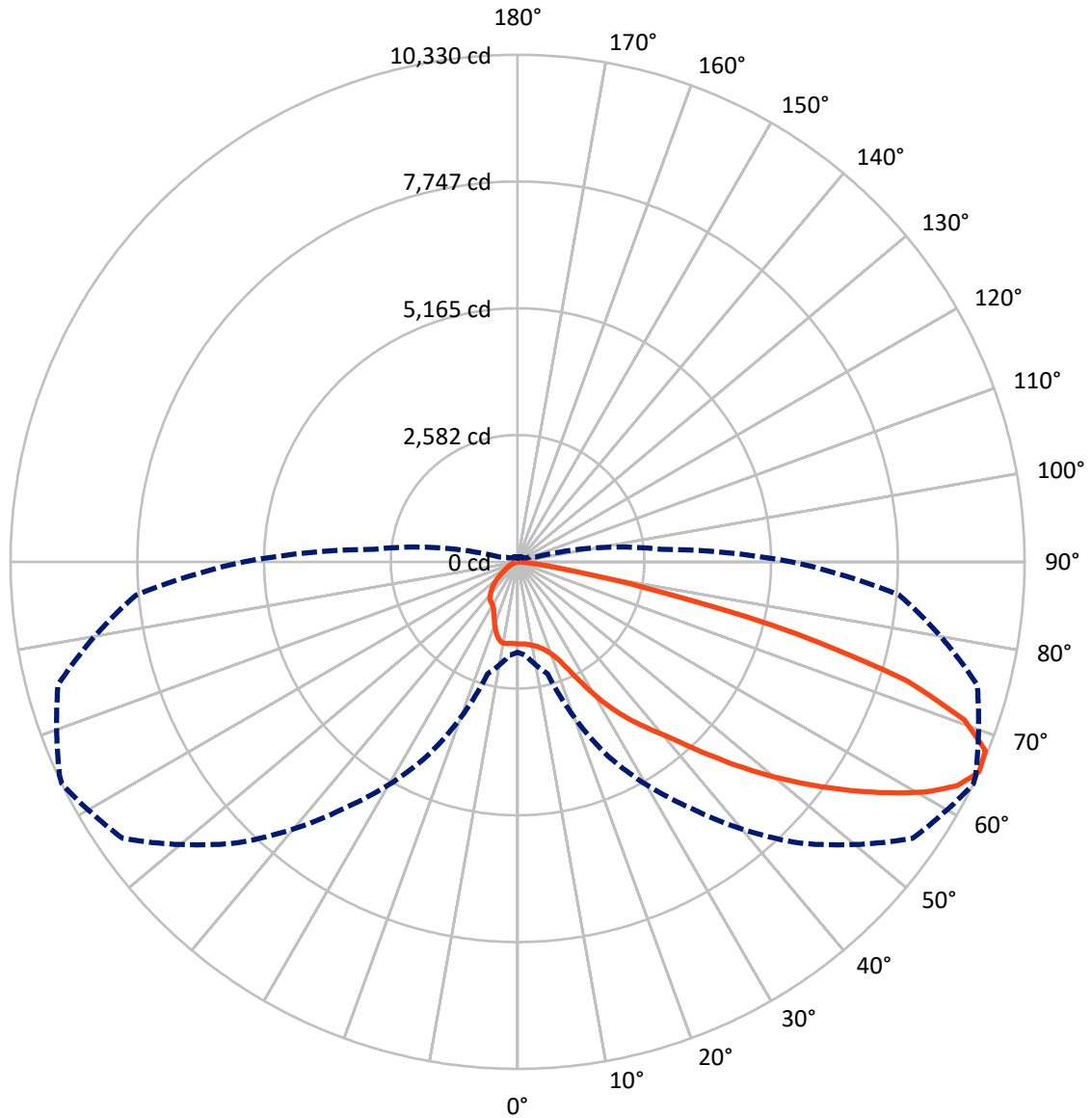
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1924.8	0.0	1924.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	12468.2	0.0	12468.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	14393.0	0.0	14393.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.4	1.1
10°-20°	418.9	2.9
20°-30°	793.8	5.5
30°-40°	1606.3	11.2
40°-50°	2736.3	19.0
50°-60°	3721.1	25.9
60°-70°	3494.3	24.3
70°-80°	1400.0	9.7
80°-90°	67.8	0.5
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°	14393.0	100.0
0°-180°	14393.0	100.0

Coefficient of Utilization



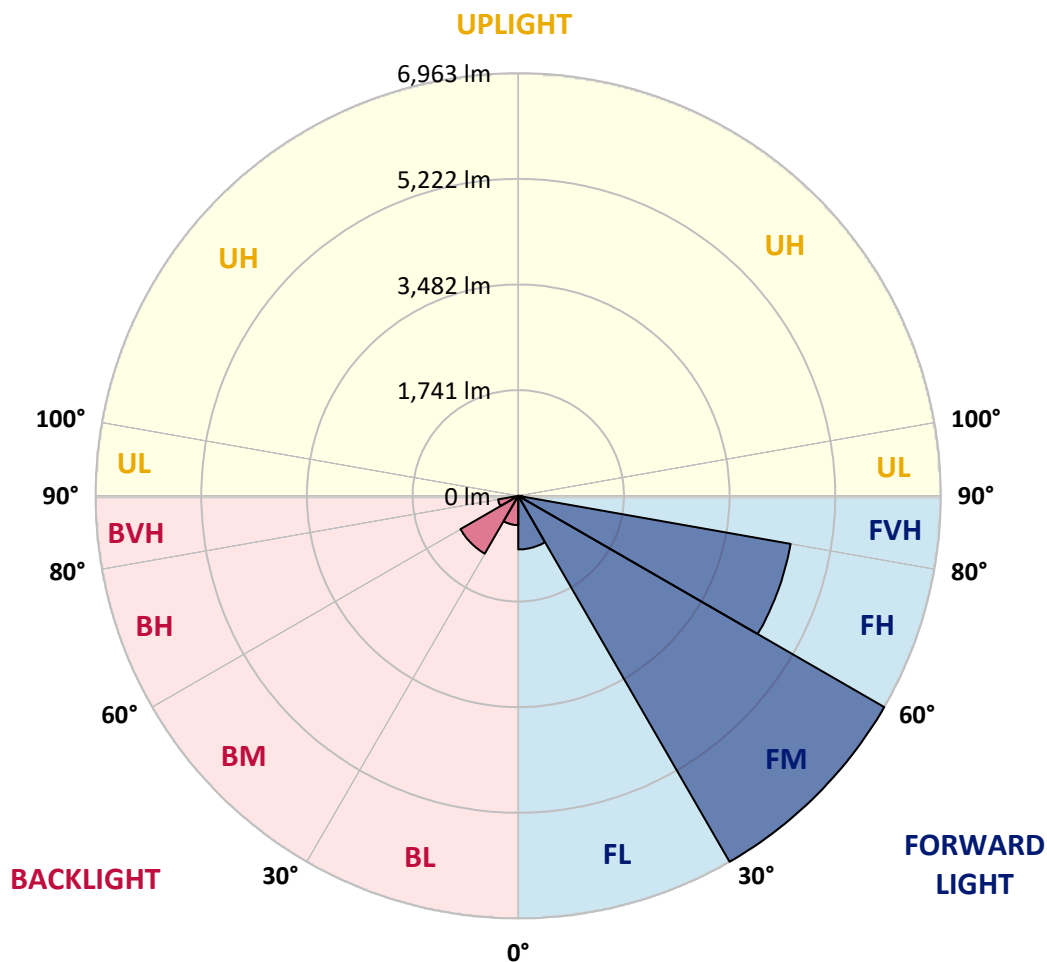
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	883.9	6.1			
FM (30°-60°)	6963.3	48.4			
FH (60°-80°)	4556.5	31.7			G2/5000
FVH (80°-90°)	64.5	0.4			G1/100
BL (0°-30°)	483.3	3.4	B1/500		
BM (30°-60°)	1100.4	7.6	B2/2500		
BH (60°-80°)	337.8	2.3	B1/500		G1/500
BVH (80°-90°)	3.3	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1674.1	1674.1	1674.1	1674.1	1674.1	1674.1	1674.1	1674.1	1674.1	1674.1
2.5°	1668.3	1679.8	1676.9	1674.1	1673.1	1675.0	1676.0	1675.0	1675.0	1675.0
5°	1636.4	1646.1	1646.1	1652.8	1662.5	1674.1	1682.7	1684.7	1686.6	1689.5
7.5°	1575.6	1583.4	1589.1	1611.3	1635.5	1666.3	1692.4	1705.9	1707.8	1718.4
10°	1534.1	1543.8	1553.4	1576.6	1611.3	1657.7	1702.0	1734.8	1739.7	1764.8
12.5°	1532.2	1541.9	1554.4	1579.5	1620.0	1669.2	1723.3	1770.5	1779.2	1815.9
15°	1552.5	1564.1	1575.6	1606.5	1649.9	1709.8	1767.6	1826.5	1835.2	1887.3
17.5°	1594.0	1609.4	1618.1	1649.0	1695.3	1761.9	1838.1	1905.6	1913.3	1974.1
20°	1676.0	1694.3	1697.2	1722.3	1767.6	1839.0	1929.7	2013.7	2023.3	2092.8
22.5°	1845.8	1871.9	1848.7	1861.2	1901.8	1973.2	2071.6	2177.7	2191.2	2270.3
25°	2144.9	2181.6	2121.8	2100.5	2117.9	2192.2	2315.7	2449.8	2465.3	2528.9
27.5°	2732.5	2685.2	2594.5	2505.8	2453.7	2496.1	2635.1	2801.0	2820.3	2882.1
30°	3378.0	3336.5	3214.0	3017.2	2893.7	2886.9	3015.2	3200.5	3222.7	3281.5
32.5°	4024.5	3984.9	3851.8	3609.6	3395.4	3289.3	3378.0	3583.5	3595.1	3632.7
35°	4660.3	4619.8	4486.7	4238.7	3975.3	3734.1	3716.7	3948.3	3952.1	3991.7
37.5°	5300.0	5266.3	5124.4	4881.3	4621.7	4288.9	4127.7	4293.7	4298.5	4337.1
40°	5756.4	5770.9	5673.5	5485.3	5262.4	4898.7	4588.9	4661.3	4632.4	4697.0
42.5°	6148.2	6177.1	6092.2	5997.7	5868.4	5548.0	5160.1	5147.6	5101.3	5136.0
45°	6486.8	6511.0	6434.7	6412.5	6409.7	6184.8	5784.4	5709.2	5644.5	5637.8
47.5°	6611.3	6657.6	6690.4	6764.7	6909.5	6814.9	6429.9	6313.2	6240.8	6187.7
50°	6658.6	6707.8	6819.7	7035.9	7378.4	7418.9	7072.5	6941.3	6852.5	6756.0
52.5°	6594.9	6682.7	6833.2	7197.0	7693.9	7903.3	7689.1	7574.3	7472.9	7315.7
55°	6219.6	6307.4	6615.2	7195.1	7851.2	8242.9	8271.9	8220.7	8106.9	7858.9
57.5°	5428.4	5558.6	6045.9	6950.0	7848.3	8535.3	8843.1	8879.7	8752.4	8397.3
60°	4332.3	4508.9	5103.2	6406.8	7606.1	8693.5	9343.8	9527.2	9392.1	8928.0
62.5°	3022.9	3227.5	3790.0	5555.7	7052.3	8579.7	9709.5	10048.2	9945.9	9402.7
65°	1843.9	1909.5	2363.0	4371.8	6110.5	8103.0	9822.4	10329.9	10296.2	9693.1
67.5°	1228.3	1283.3	1413.5	2997.9	4743.3	7150.7	9552.2	10280.7	10290.4	9645.8
70°	740.1	787.3	872.2	1743.5	3074.1	5659.9	8715.7	9653.6	9709.5	9013.8
72.5°	304.9	336.7	413.9	790.2	1592.0	3592.2	6940.3	8288.3	8418.5	7579.1
75°	172.7	189.1	243.1	396.6	690.8	1674.1	4204.0	5883.8	6075.8	5223.8
77.5°	114.8	122.5	157.3	256.7	388.8	571.2	1796.6	3065.4	3432.1	2853.1
80°	77.2	83.9	108.1	171.7	252.8	245.1	572.2	1135.7	1397.1	980.3
82.5°	52.1	53.1	77.2	112.9	160.2	118.7	168.9	353.1	443.8	283.7
85°	29.9	28.9	56.9	65.6	71.4	49.2	51.1	106.1	138.9	119.6
87.5°	3.9	5.8	22.2	17.4	9.6	10.6	10.6	18.3	27.0	28.9
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°
1674.1	0°	1674.1	1674.1	1674.1	1674.1	1674.1	1674.1	1674.1	1674.1	1674.1	1674.1
1676.0	2.5°	1676.0	1675.0	1672.1	1669.2	1662.5	1658.6	1660.5	1658.6	1657.7	1658.6
1688.5	5°	1688.5	1685.6	1677.9	1668.3	1654.8	1638.4	1627.7	1612.3	1597.8	1589.1
1722.3	7.5°	1722.3	1719.4	1708.8	1681.8	1638.4	1569.8	1507.1	1452.1	1410.6	1386.5
1776.3	10°	1776.3	1771.5	1755.1	1695.3	1581.4	1431.9	1307.4	1204.2	1136.6	1104.8
1840.0	12.5°	1840.0	1834.2	1805.3	1682.7	1473.4	1239.9	1068.1	953.3	890.6	862.6
1913.3	15°	1915.3	1907.6	1850.6	1622.9	1316.1	1027.6	870.3	784.4	743.9	718.8
2006.9	17.5°	2008.9	1995.4	1884.4	1533.2	1145.3	865.5	748.7	684.1	648.4	624.3
2129.5	20°	2130.4	2108.2	1911.4	1426.1	988.0	763.2	666.7	612.7	585.7	564.5
2303.2	22.5°	2300.3	2268.4	1944.2	1310.3	877.1	692.8	605.9	566.4	544.2	520.1
2545.3	25°	2510.6	2473.0	1984.7	1203.2	800.8	632.0	561.6	528.8	502.7	474.7
2862.8	27.5°	2804.9	2737.3	2033.0	1115.4	735.2	579.9	521.0	484.4	454.5	431.3
3222.7	30°	3132.9	3022.0	2075.4	1062.3	675.4	531.6	468.0	431.3	403.3	386.9
3545.9	32.5°	3443.6	3293.1	2103.4	1039.2	621.4	476.6	410.1	370.5	349.3	344.5
3862.4	35°	3737.0	3538.2	2100.5	1017.0	573.1	421.6	353.1	312.6	296.2	299.1
4203.0	37.5°	4074.7	3799.7	2080.3	982.2	533.6	371.5	303.9	268.2	253.8	254.7
4616.9	40°	4467.4	4101.7	2067.7	916.6	490.2	325.2	263.4	234.5	223.9	220.0
5053.0	42.5°	4886.1	4394.0	2069.7	842.3	436.1	283.7	235.4	211.3	201.7	198.8
5538.4	45°	5306.8	4672.9	2072.5	765.1	379.2	251.8	215.2	194.9	189.1	185.3
6030.5	47.5°	5702.4	4910.2	2018.5	682.2	323.2	227.7	198.8	185.3	180.4	175.6
6524.5	50°	6071.0	5068.5	1888.3	585.7	278.8	208.4	186.2	176.6	171.7	166.9
6972.2	52.5°	6357.6	5093.6	1673.1	486.3	248.0	193.9	178.5	169.8	164.0	159.2
7334.0	55°	6484.9	4936.3	1367.2	393.7	223.9	181.4	170.8	162.1	155.3	150.5
7618.6	57.5°	6452.1	4605.3	1066.2	316.5	200.7	168.9	161.1	155.3	147.6	139.9
7849.2	60°	6291.0	4162.5	803.7	263.4	179.5	155.3	150.5	145.7	135.1	123.5
7938.0	62.5°	6012.1	3605.7	573.1	218.1	156.3	139.9	138.0	134.1	118.7	97.5
7806.8	65°	5585.7	2929.4	385.9	181.4	134.1	122.5	123.5	116.7	96.5	72.4
7326.3	67.5°	4962.3	2142.0	247.0	148.6	111.9	102.3	103.2	99.4	82.0	61.8
6415.4	70°	4168.3	1418.4	161.1	112.9	89.7	79.1	84.9	85.9	69.5	50.2
4923.7	72.5°	3055.8	837.5	112.9	83.9	65.6	55.0	69.5	71.4	56.0	37.6
2962.2	75°	1741.6	397.5	84.9	60.8	40.5	38.6	54.0	54.0	38.6	25.1
1282.3	77.5°	731.4	166.0	59.8	39.6	23.2	22.2	36.7	33.8	19.3	11.6
312.6	80°	211.3	74.3	31.8	19.3	9.6	8.7	14.5	10.6	4.8	1.9
118.7	82.5°	83.0	32.8	12.5	7.7	3.9	3.9	1.9	0.0	0.0	0.0
67.5	85°	49.2	13.5	5.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0
14.5	87.5°	12.5	2.9	1.9	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°
1674.1
1662.5
1591.1
1387.5
1101.9
859.7
719.8
622.3
560.6
516.2
471.8
426.5
384.0
347.4
299.1
258.6
219.0
197.8
185.3
175.6
166.9
158.2
149.6
138.9
121.6
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