

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: P848537

Luminaire Tested: **GLAN-SB5A-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848537
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-SB5A-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 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: 11444 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

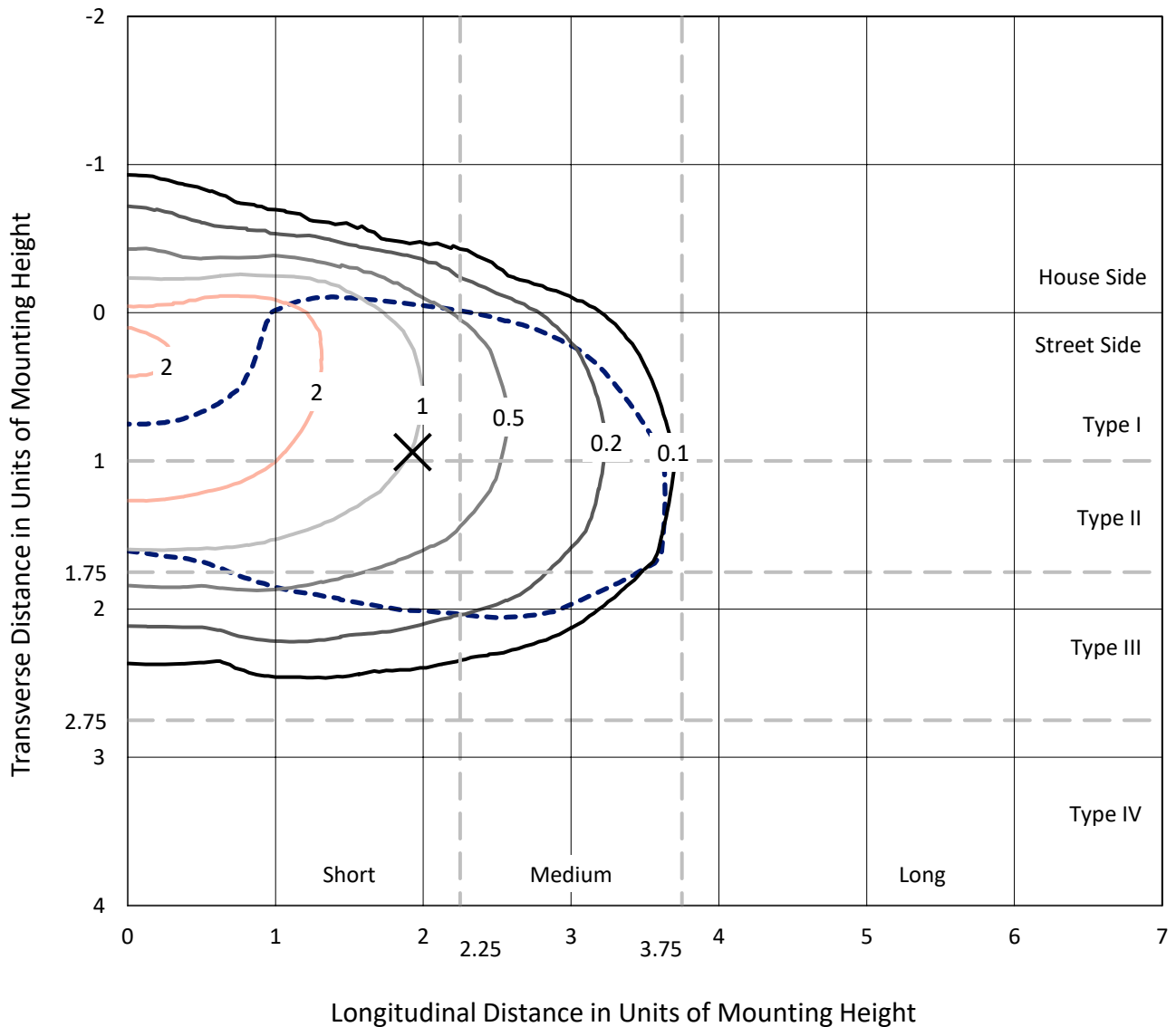
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

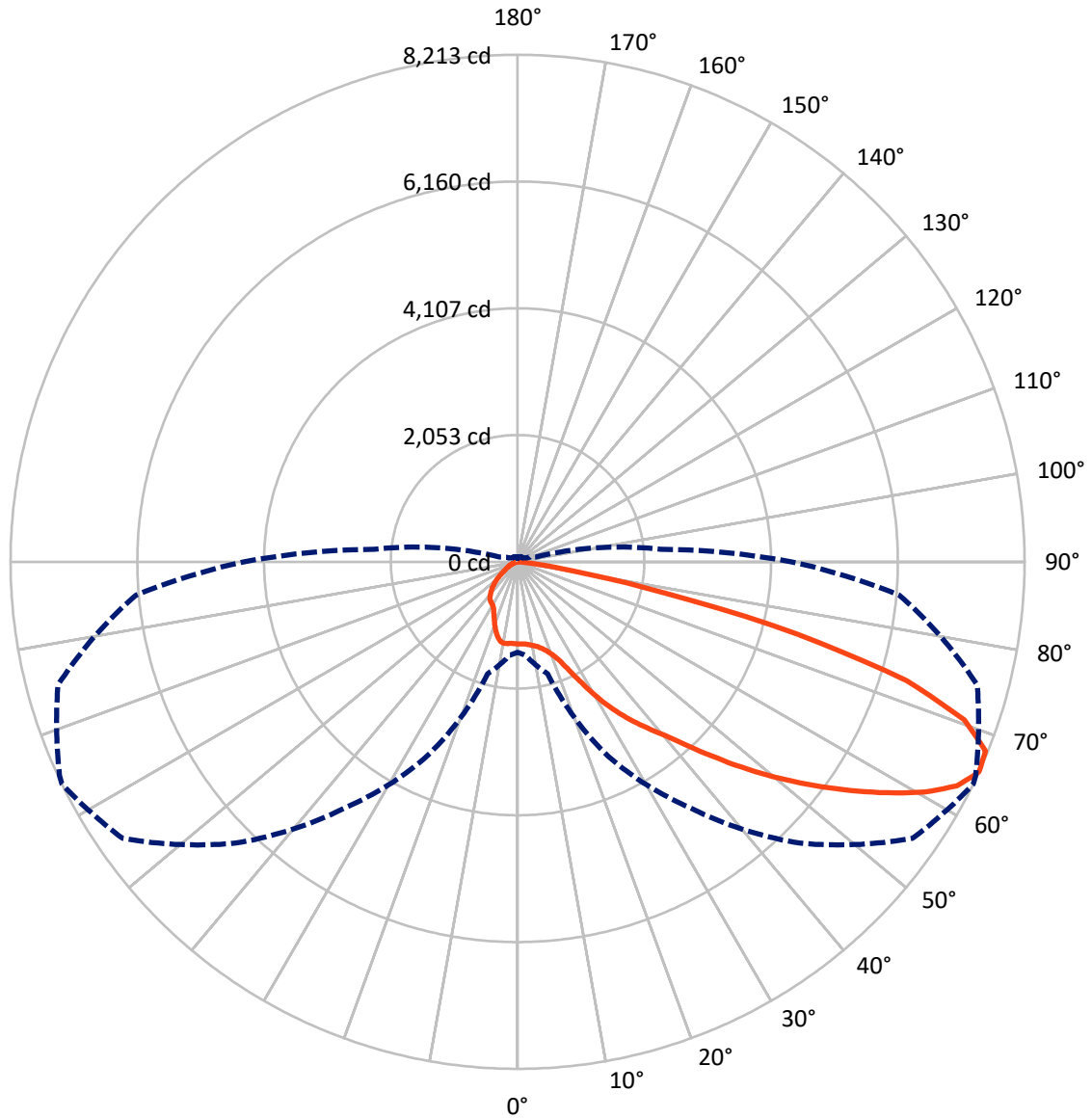
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	1530.4	0.0	1530.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	9913.6	0.0	9913.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	11444.0	0.0	11444.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.8	1.1
10°-20°	333.1	2.9
20°-30°	631.2	5.5
30°-40°	1277.2	11.2
40°-50°	2175.6	19.0
50°-60°	2958.7	25.9
60°-70°	2778.4	24.3
70°-80°	1113.1	9.7
80°-90°	53.9	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°	11444.0	100.0
0°-180°	11444.0	100.0

Coefficient of Utilization



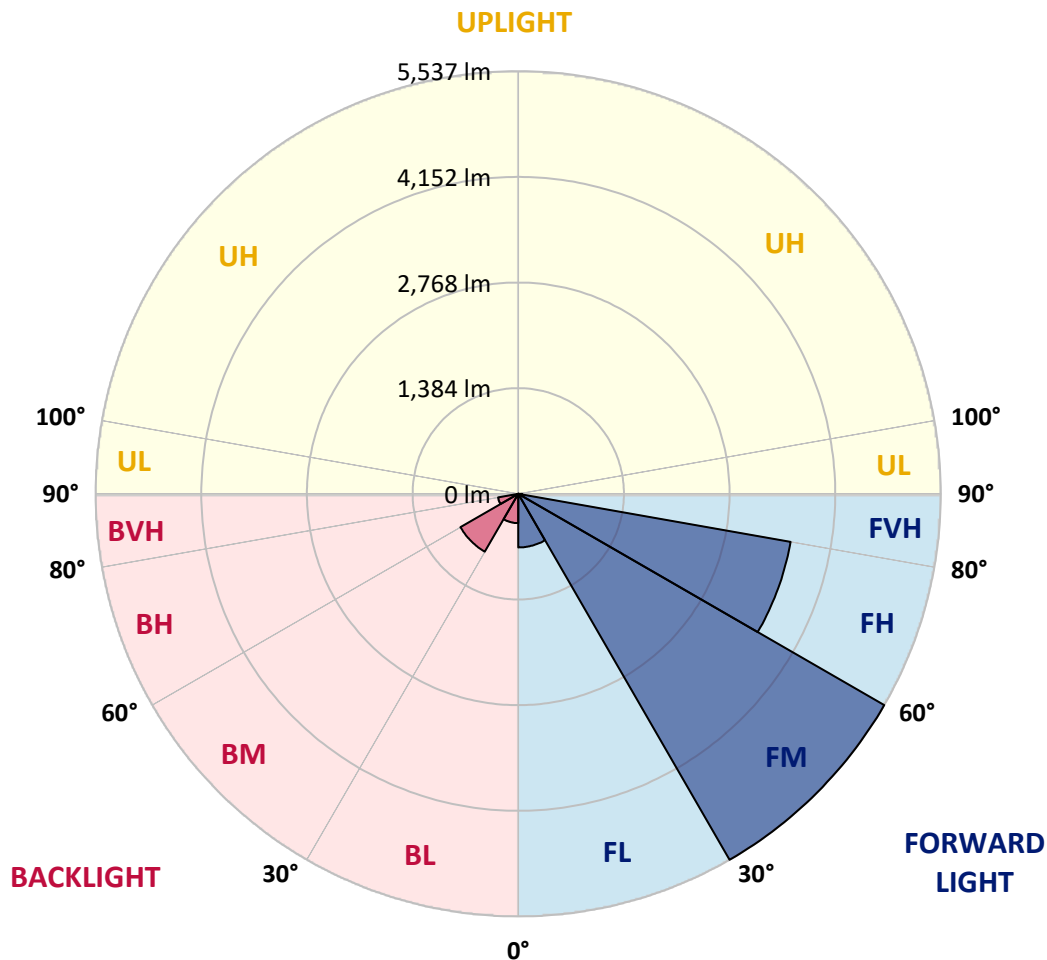
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	702.8	6.1			
FM (30°-60°)	5536.6	48.4			
FH (60°-80°)	3622.9	31.7			G2/5000
FVH (80°-90°)	51.3	0.4			G1/100
BL (0°-30°)	384.2	3.4	B1/500		
BM (30°-60°)	874.9	7.6	B1/1000		
BH (60°-80°)	268.6	2.3	B1/500		G1/500
BVH (80°-90°)	2.6	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1
2.5°	1326.5	1335.7	1333.4	1331.1	1330.3	1331.8	1332.6	1331.8	1331.8	1331.8
5°	1301.1	1308.8	1308.8	1314.2	1321.8	1331.1	1338.0	1339.5	1341.0	1343.3
7.5°	1252.8	1258.9	1263.5	1281.2	1300.4	1324.9	1345.6	1356.4	1357.9	1366.3
10°	1219.8	1227.5	1235.2	1253.6	1281.2	1318.0	1353.3	1379.4	1383.2	1403.2
12.5°	1218.3	1226.0	1235.9	1255.9	1288.1	1327.2	1370.2	1407.8	1414.7	1443.8
15°	1234.4	1243.6	1252.8	1277.4	1311.9	1359.4	1405.5	1452.3	1459.2	1500.6
17.5°	1267.4	1279.7	1286.6	1311.1	1347.9	1400.9	1461.5	1515.2	1521.3	1569.6
20°	1332.6	1347.2	1349.5	1369.4	1405.5	1462.2	1534.4	1601.1	1608.8	1664.0
22.5°	1467.6	1488.3	1469.9	1479.9	1512.1	1568.9	1647.1	1731.5	1742.3	1805.2
25°	1705.4	1734.6	1687.0	1670.1	1684.0	1743.0	1841.2	1947.9	1960.1	2010.8
27.5°	2172.7	2135.1	2062.9	1992.4	1950.9	1984.7	2095.2	2227.1	2242.5	2291.6
30°	2685.9	2652.9	2555.5	2399.0	2300.8	2295.4	2397.4	2544.7	2562.4	2609.2
32.5°	3199.9	3168.5	3062.6	2870.0	2699.7	2615.3	2685.9	2849.3	2858.5	2888.4
35°	3705.5	3673.3	3567.4	3370.2	3160.8	2969.0	2955.2	3139.3	3142.4	3173.8
37.5°	4214.1	4187.3	4074.5	3881.2	3674.8	3410.1	3282.0	3413.9	3417.8	3448.5
40°	4577.0	4588.5	4511.0	4361.4	4184.2	3895.0	3648.7	3706.2	3683.2	3734.6
42.5°	4888.5	4911.5	4844.0	4768.8	4666.0	4411.3	4102.9	4092.9	4056.1	4083.7
45°	5157.7	5176.9	5116.3	5098.7	5096.4	4917.6	4599.2	4539.4	4488.0	4482.6
47.5°	5256.7	5293.5	5319.6	5378.7	5493.8	5418.6	5112.5	5019.7	4962.1	4919.9
50°	5294.3	5333.4	5422.4	5594.3	5866.6	5898.8	5623.4	5519.1	5448.5	5371.8
52.5°	5243.7	5313.5	5433.2	5722.4	6117.5	6284.0	6113.7	6022.4	5941.8	5816.8
55°	4945.2	5015.1	5259.8	5720.9	6242.5	6554.0	6577.0	6536.4	6445.8	6248.7
57.5°	4316.2	4419.7	4807.1	5526.0	6240.2	6786.5	7031.2	7060.4	6959.1	6676.8
60°	3444.6	3585.0	4057.6	5094.1	6047.7	6912.3	7429.4	7575.1	7467.7	7098.7
62.5°	2403.6	2566.2	3013.5	4417.4	5607.3	6821.8	7720.1	7989.4	7908.1	7476.2
65°	1466.1	1518.2	1878.8	3476.1	4858.5	6442.8	7809.9	8213.4	8186.6	7707.1
67.5°	976.6	1020.3	1123.9	2383.6	3771.5	5685.6	7595.1	8174.3	8182.0	7669.5
70°	588.4	626.0	693.5	1386.3	2444.2	4500.3	6929.9	7675.6	7720.1	7167.0
72.5°	242.4	267.7	329.1	628.3	1265.8	2856.2	5518.3	6590.1	6693.6	6026.2
75°	137.3	150.4	193.3	315.3	549.3	1331.1	3342.6	4678.3	4830.9	4153.5
77.5°	91.3	97.4	125.1	204.1	309.2	454.2	1428.5	2437.3	2728.9	2268.5
80°	61.4	66.7	85.9	136.6	201.0	194.9	454.9	903.0	1110.9	779.5
82.5°	41.4	42.2	61.4	89.8	127.4	94.4	134.3	280.8	352.9	225.6
85°	23.8	23.0	45.3	52.2	56.8	39.1	40.7	84.4	110.5	95.1
87.5°	3.1	4.6	17.6	13.8	7.7	8.4	8.4	14.6	21.5	23.0
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°
1331.1	0°	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1	1331.1
1332.6	2.5°	1332.6	1331.8	1329.5	1327.2	1321.8	1318.8	1320.3	1318.8	1318.0	1318.8
1342.6	5°	1342.6	1340.3	1334.1	1326.5	1315.7	1302.7	1294.2	1282.0	1270.4	1263.5
1369.4	7.5°	1369.4	1367.1	1358.7	1337.2	1302.7	1248.2	1198.3	1154.6	1121.6	1102.4
1412.4	10°	1412.4	1408.5	1395.5	1347.9	1257.4	1138.5	1039.5	957.4	903.7	878.4
1463.0	12.5°	1463.0	1458.4	1435.4	1338.0	1171.5	985.8	849.3	758.0	708.1	685.9
1521.3	15°	1522.9	1516.7	1471.4	1290.4	1046.4	817.0	692.0	623.7	591.5	571.5
1595.7	17.5°	1597.3	1586.5	1498.3	1219.0	910.6	688.2	595.3	543.9	515.5	496.4
1693.2	20°	1693.9	1676.3	1519.8	1133.9	785.6	606.8	530.1	487.2	465.7	448.8
1831.3	22.5°	1829.0	1803.6	1545.9	1041.8	697.4	550.8	481.8	450.3	432.7	413.5
2023.8	25°	1996.2	1966.3	1578.1	956.7	636.8	502.5	446.5	420.4	399.7	377.5
2276.2	27.5°	2230.2	2176.5	1616.4	886.9	584.6	461.1	414.3	385.1	361.3	342.9
2562.4	30°	2491.0	2402.8	1650.2	844.7	537.0	422.7	372.1	342.9	320.7	307.6
2819.4	32.5°	2738.1	2618.4	1672.5	826.3	494.1	379.0	326.1	294.6	277.7	273.9
3071.0	35°	2971.3	2813.2	1670.1	808.6	455.7	335.3	280.8	248.6	235.5	237.8
3341.8	37.5°	3239.8	3021.2	1654.0	781.0	424.3	295.4	241.7	213.3	201.8	202.5
3671.0	40°	3552.0	3261.3	1644.1	728.8	389.7	258.5	209.4	186.4	178.0	174.9
4017.7	42.5°	3885.0	3493.7	1645.6	669.7	346.8	225.6	187.2	168.0	160.3	158.0
4403.6	45°	4219.5	3715.4	1647.9	608.4	301.5	200.2	171.1	155.0	150.4	147.3
4794.9	47.5°	4534.0	3904.2	1604.9	542.4	257.0	181.1	158.0	147.3	143.5	139.6
5187.7	50°	4827.1	4030.0	1501.4	465.7	221.7	165.7	148.1	140.4	136.6	132.7
5543.6	52.5°	5054.9	4049.9	1330.3	386.7	197.2	154.2	141.9	135.0	130.4	126.6
5831.3	55°	5156.2	3924.9	1087.1	313.0	178.0	144.2	135.8	128.9	123.5	119.7
6057.6	57.5°	5130.1	3661.7	847.7	251.6	159.6	134.3	128.1	123.5	117.4	111.2
6241.0	60°	5002.0	3309.6	639.1	209.4	142.7	123.5	119.7	115.8	107.4	98.2
6311.6	62.5°	4780.3	2866.9	455.7	173.4	124.3	111.2	109.7	106.6	94.4	77.5
6207.2	65°	4441.2	2329.2	306.9	144.2	106.6	97.4	98.2	92.8	76.7	57.5
5825.2	67.5°	3945.6	1703.1	196.4	118.1	89.0	81.3	82.1	79.0	65.2	49.1
5101.0	70°	3314.2	1127.8	128.1	89.8	71.3	62.9	67.5	68.3	55.2	39.9
3914.9	72.5°	2429.7	665.9	89.8	66.7	52.2	43.7	55.2	56.8	44.5	29.9
2355.2	75°	1384.8	316.1	67.5	48.3	32.2	30.7	43.0	43.0	30.7	19.9
1019.6	77.5°	581.5	132.0	47.6	31.5	18.4	17.6	29.2	26.9	15.3	9.2
248.6	80°	168.0	59.1	25.3	15.3	7.7	6.9	11.5	8.4	3.8	1.5
94.4	82.5°	66.0	26.1	10.0	6.1	3.1	3.1	1.5	0.0	0.0	0.0
53.7	85°	39.1	10.7	4.6	2.3	0.8	0.0	0.0	0.0	0.0	0.0
11.5	87.5°	10.0	2.3	1.5	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°
1331.1
1321.8
1265.1
1103.2
876.1
683.6
572.3
494.8
445.7
410.4
375.2
339.1
305.3
276.2
237.8
205.6
174.1
157.3
147.3
139.6
132.7
125.8
118.9
110.5
96.7
76.0
56.0
46.8
38.4
28.4
18.4
9.2
1.5
0.0
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0.0

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