

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: P845807

Luminaire Tested: **GLAN-SB1A-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845807
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-SB1A-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3022 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

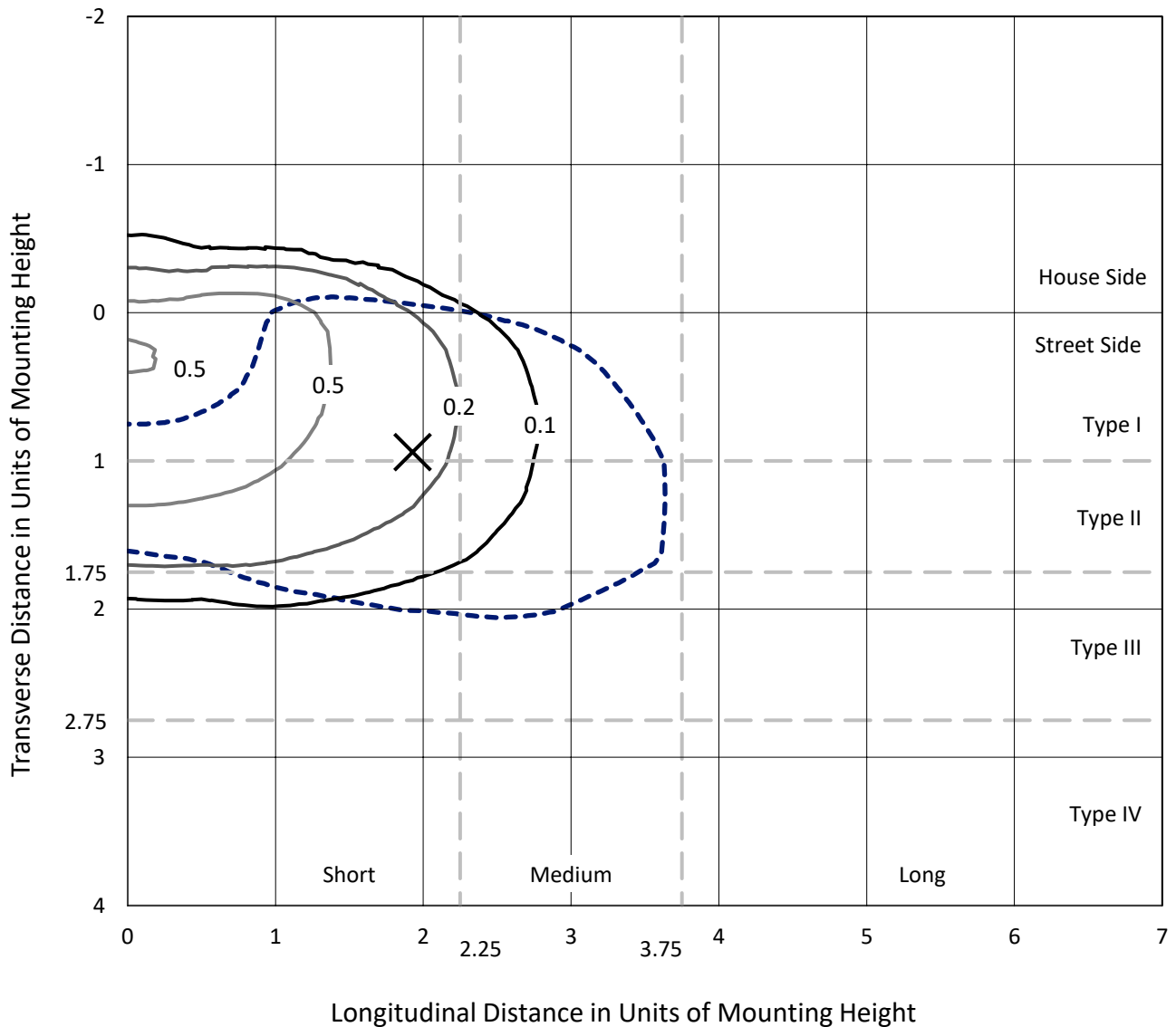
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

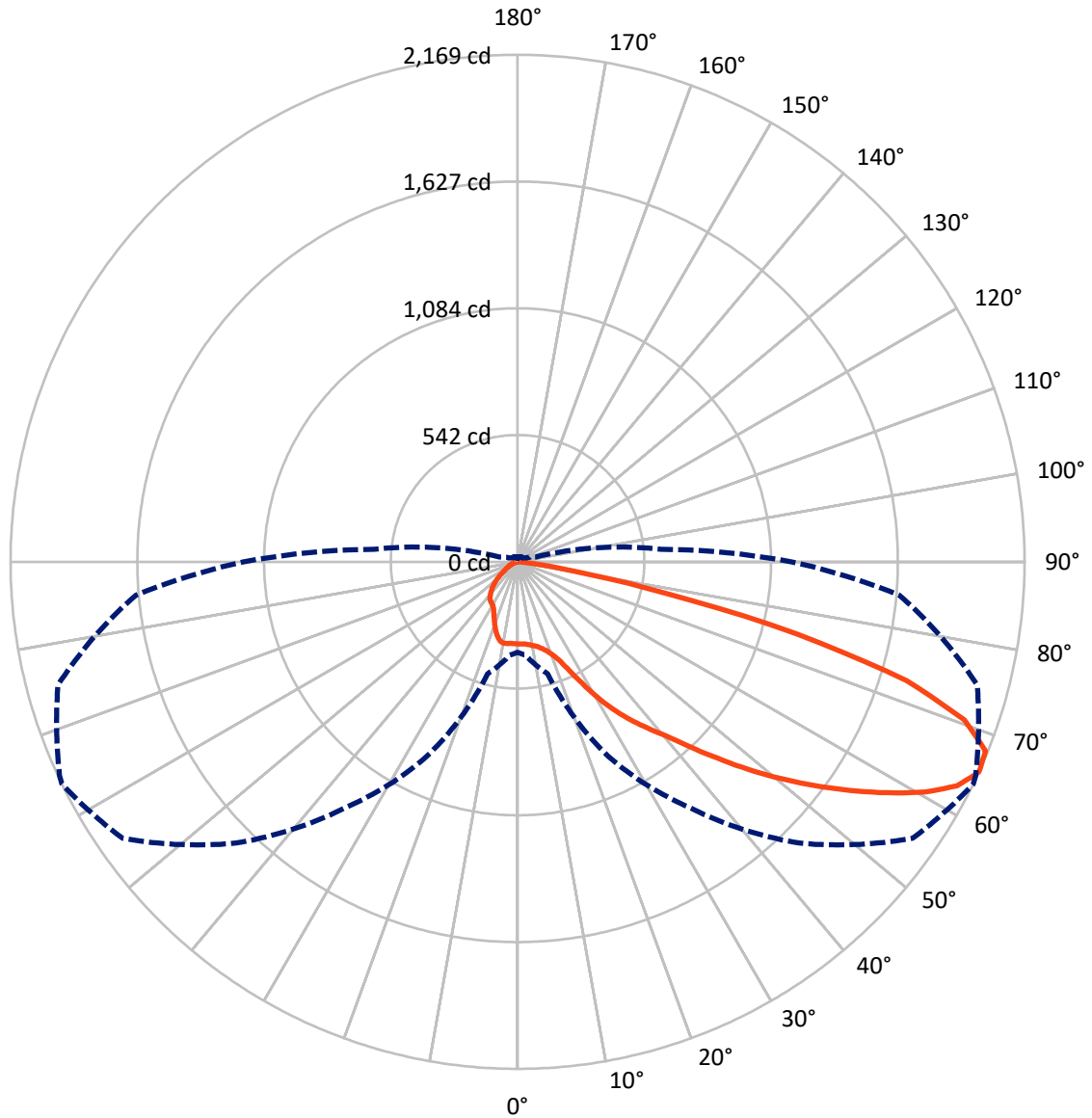
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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	404.1	0.0	404.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	2617.9	0.0	2617.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	3022.0	0.0	3022.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	1.1
10°-20°	88.0	2.9
20°-30°	166.7	5.5
30°-40°	337.3	11.2
40°-50°	574.5	19.0
50°-60°	781.3	25.9
60°-70°	733.7	24.3
70°-80°	293.9	9.7
80°-90°	14.2	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°	3022.0	100.0
0°-180°	3022.0	100.0

Coefficient of Utilization



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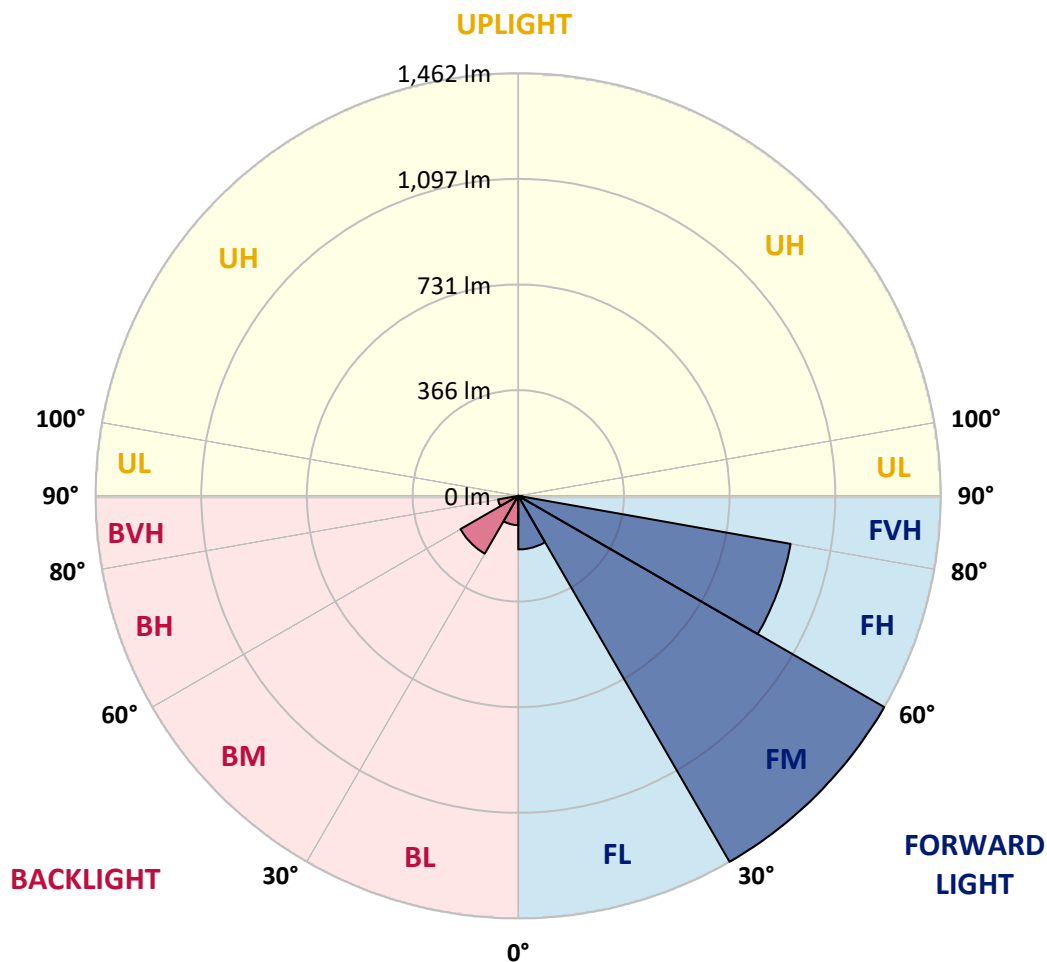
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	185.6	6.1			
FM (30°-60°)	1462.0	48.4			
FH (60°-80°)	956.7	31.7			G1/1800
FVH (80°-90°)	13.5	0.4			G1/100
BL (0°-30°)	101.5	3.4	B0/110		
BM (30°-60°)	231.0	7.6	B1/1000		
BH (60°-80°)	70.9	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	351.5	351.5	351.5	351.5	351.5	351.5	351.5	351.5	351.5	351.5
2.5°	350.3	352.7	352.1	351.5	351.3	351.7	351.9	351.7	351.7	351.7
5°	343.6	345.6	345.6	347.0	349.1	351.5	353.3	353.7	354.1	354.7
7.5°	330.8	332.4	333.7	338.3	343.4	349.9	355.3	358.2	358.6	360.8
10°	322.1	324.1	326.2	331.0	338.3	348.0	357.4	364.3	365.3	370.5
12.5°	321.7	323.7	326.4	331.6	340.1	350.5	361.8	371.7	373.6	381.3
15°	326.0	328.4	330.8	337.3	346.4	359.0	371.1	383.5	385.3	396.3
17.5°	334.7	337.9	339.7	346.2	355.9	369.9	385.9	400.1	401.7	414.5
20°	351.9	355.7	356.4	361.6	371.1	386.1	405.2	422.8	424.8	439.4
22.5°	387.6	393.0	388.2	390.8	399.3	414.3	435.0	457.2	460.1	476.7
25°	450.4	458.1	445.5	441.0	444.7	460.3	486.2	514.4	517.6	531.0
27.5°	573.7	563.8	544.8	526.1	515.2	524.1	553.3	588.1	592.2	605.1
30°	709.3	700.5	674.8	633.5	607.6	606.1	633.1	672.0	676.6	689.0
32.5°	845.0	836.7	808.7	757.9	712.9	690.6	709.3	752.4	754.8	762.7
35°	978.5	970.0	942.0	890.0	834.7	784.0	780.4	829.0	829.8	838.1
37.5°	1112.8	1105.7	1075.9	1024.9	970.4	900.5	866.7	901.5	902.5	910.6
40°	1208.6	1211.7	1191.2	1151.7	1104.9	1028.5	963.5	978.7	972.6	986.2
42.5°	1290.9	1297.0	1279.1	1259.3	1232.1	1164.9	1083.4	1080.8	1071.1	1078.4
45°	1362.0	1367.1	1351.1	1346.4	1345.8	1298.6	1214.5	1198.7	1185.1	1183.7
47.5°	1388.1	1397.9	1404.7	1420.3	1450.7	1430.9	1350.0	1325.5	1310.3	1299.2
50°	1398.1	1408.4	1431.9	1477.3	1549.2	1557.7	1485.0	1457.4	1438.8	1418.5
52.5°	1384.7	1403.1	1434.7	1511.1	1615.4	1659.4	1614.4	1590.3	1569.0	1536.0
55°	1305.9	1324.3	1388.9	1510.7	1648.5	1730.7	1736.8	1726.0	1702.1	1650.1
57.5°	1139.8	1167.1	1269.4	1459.2	1647.8	1792.1	1856.7	1864.4	1837.7	1763.1
60°	909.6	946.7	1071.5	1345.2	1597.0	1825.3	1961.9	2000.4	1972.0	1874.5
62.5°	634.7	677.7	795.8	1166.5	1480.7	1801.4	2038.6	2109.8	2088.3	1974.2
65°	387.1	400.9	496.1	917.9	1283.0	1701.3	2062.3	2168.9	2161.8	2035.2
67.5°	257.9	269.4	296.8	629.4	995.9	1501.4	2005.6	2158.6	2160.6	2025.3
70°	155.4	165.3	183.1	366.1	645.4	1188.4	1830.0	2026.9	2038.6	1892.6
72.5°	64.0	70.7	86.9	165.9	334.3	754.2	1457.2	1740.2	1767.6	1591.3
75°	36.3	39.7	51.1	83.3	145.1	351.5	882.7	1235.4	1275.7	1096.8
77.5°	24.1	25.7	33.0	53.9	81.6	119.9	377.2	643.6	720.6	599.1
80°	16.2	17.6	22.7	36.1	53.1	51.5	120.1	238.4	293.3	205.8
82.5°	10.9	11.1	16.2	23.7	33.6	24.9	35.5	74.1	93.2	59.6
85°	6.3	6.1	12.0	13.8	15.0	10.3	10.7	22.3	29.2	25.1
87.5°	0.8	1.2	4.7	3.6	2.0	2.2	2.2	3.8	5.7	6.1
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°
351.5	0°	351.5	351.5	351.5	351.5	351.5	351.5	351.5	351.5	351.5	351.5
351.9	2.5°	351.9	351.7	351.1	350.5	349.1	348.2	348.7	348.2	348.0	348.2
354.5	5°	354.5	353.9	352.3	350.3	347.4	344.0	341.8	338.5	335.5	333.7
361.6	7.5°	361.6	361.0	358.8	353.1	344.0	329.6	316.4	304.9	296.2	291.1
373.0	10°	373.0	372.0	368.5	355.9	332.0	300.6	274.5	252.8	238.6	232.0
386.3	12.5°	386.3	385.1	379.0	353.3	309.4	260.3	224.3	200.2	187.0	181.1
401.7	15°	402.1	400.5	388.6	340.8	276.3	215.8	182.7	164.7	156.2	150.9
421.4	17.5°	421.8	419.0	395.7	321.9	240.5	181.7	157.2	143.6	136.1	131.1
447.1	20°	447.3	442.7	401.3	299.4	207.4	160.2	140.0	128.6	123.0	118.5
483.6	22.5°	483.0	476.3	408.2	275.1	184.2	145.5	127.2	118.9	114.3	109.2
534.4	25°	527.1	519.2	416.7	252.6	168.1	132.7	117.9	111.0	105.5	99.7
601.1	27.5°	588.9	574.7	426.9	234.2	154.4	121.8	109.4	101.7	95.4	90.6
676.6	30°	657.8	634.5	435.8	223.0	141.8	111.6	98.3	90.6	84.7	81.2
744.5	32.5°	723.0	691.4	441.6	218.2	130.5	100.1	86.1	77.8	73.3	72.3
811.0	35°	784.6	742.9	441.0	213.5	120.3	88.5	74.1	65.6	62.2	62.8
882.5	37.5°	855.5	797.8	436.8	206.2	112.0	78.0	63.8	56.3	53.3	53.5
969.4	40°	938.0	861.2	434.1	192.5	102.9	68.3	55.3	49.2	47.0	46.2
1061.0	42.5°	1025.9	922.6	434.6	176.9	91.6	59.6	49.4	44.4	42.3	41.7
1162.9	45°	1114.2	981.1	435.2	160.7	79.6	52.9	45.2	40.9	39.7	38.9
1266.2	47.5°	1197.3	1031.0	423.8	143.2	67.9	47.8	41.7	38.9	37.9	36.9
1369.9	50°	1274.7	1064.2	396.5	123.0	58.5	43.8	39.1	37.1	36.1	35.0
1463.9	52.5°	1334.9	1069.5	351.3	102.1	52.1	40.7	37.5	35.7	34.4	33.4
1539.9	55°	1361.6	1036.4	287.1	82.7	47.0	38.1	35.9	34.0	32.6	31.6
1599.6	57.5°	1354.7	967.0	223.9	66.4	42.1	35.5	33.8	32.6	31.0	29.4
1648.1	60°	1320.9	874.0	168.8	55.3	37.7	32.6	31.6	30.6	28.4	25.9
1666.7	62.5°	1262.3	757.1	120.3	45.8	32.8	29.4	29.0	28.2	24.9	20.5
1639.1	65°	1172.8	615.1	81.0	38.1	28.2	25.7	25.9	24.5	20.3	15.2
1538.2	67.5°	1041.9	449.7	51.9	31.2	23.5	21.5	21.7	20.9	17.2	13.0
1347.0	70°	875.2	297.8	33.8	23.7	18.8	16.6	17.8	18.0	14.6	10.5
1033.8	72.5°	641.6	175.8	23.7	17.6	13.8	11.5	14.6	15.0	11.8	7.9
621.9	75°	365.7	83.5	17.8	12.8	8.5	8.1	11.3	11.3	8.1	5.3
269.2	77.5°	153.6	34.8	12.6	8.3	4.9	4.7	7.7	7.1	4.1	2.4
65.6	80°	44.4	15.6	6.7	4.1	2.0	1.8	3.0	2.2	1.0	0.4
24.9	82.5°	17.4	6.9	2.6	1.6	0.8	0.8	0.4	0.0	0.0	0.0
14.2	85°	10.3	2.8	1.2	0.6	0.2	0.0	0.0	0.0	0.0	0.0
3.0	87.5°	2.6	0.6	0.4	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°
351.5
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