

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: P846167

Luminaire Tested: **GLAN-SB1C-930-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846167
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-SB1C-930-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3964 lumens
Efficiency: N/A
Efficacy: 72.9 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

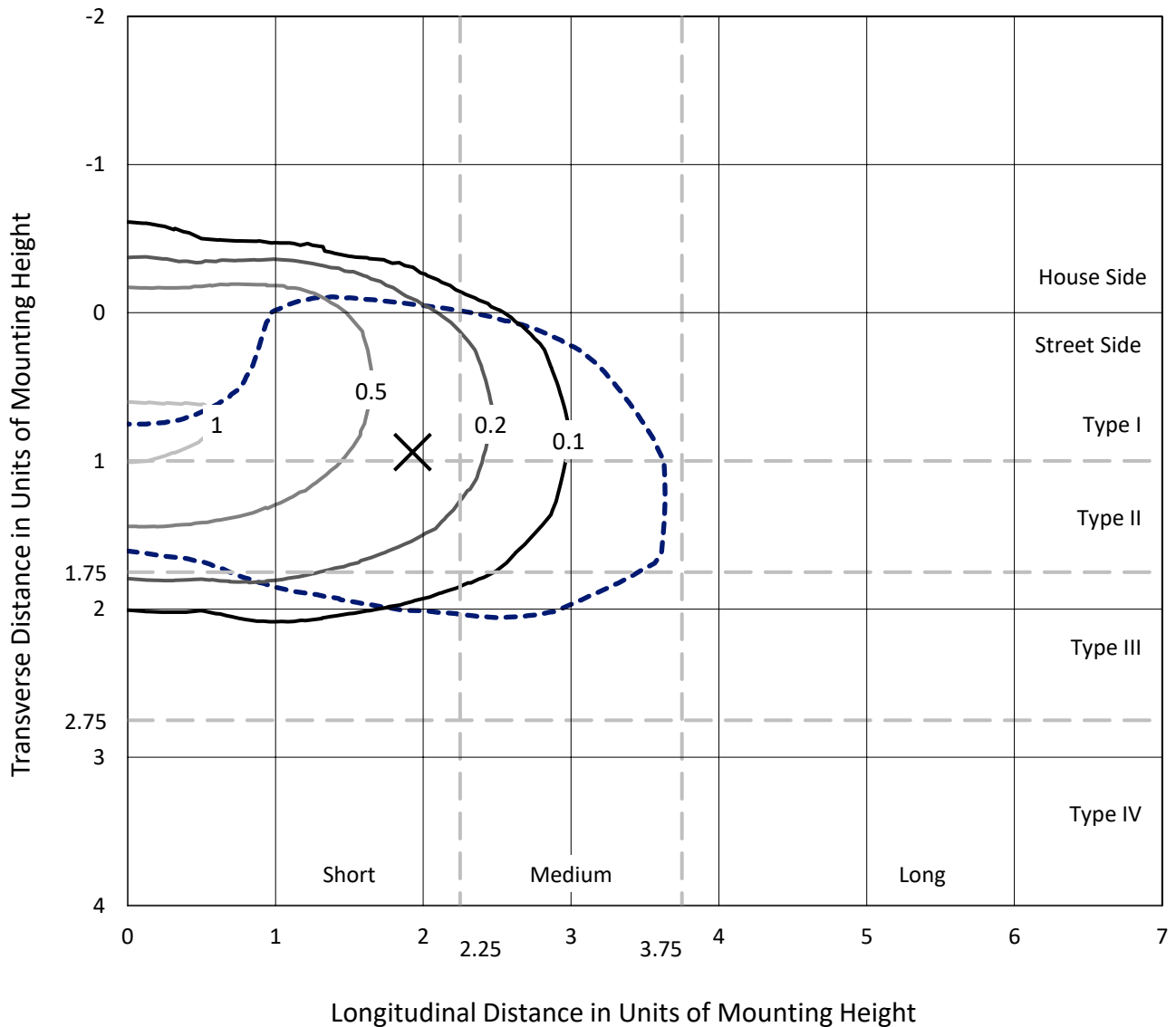
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

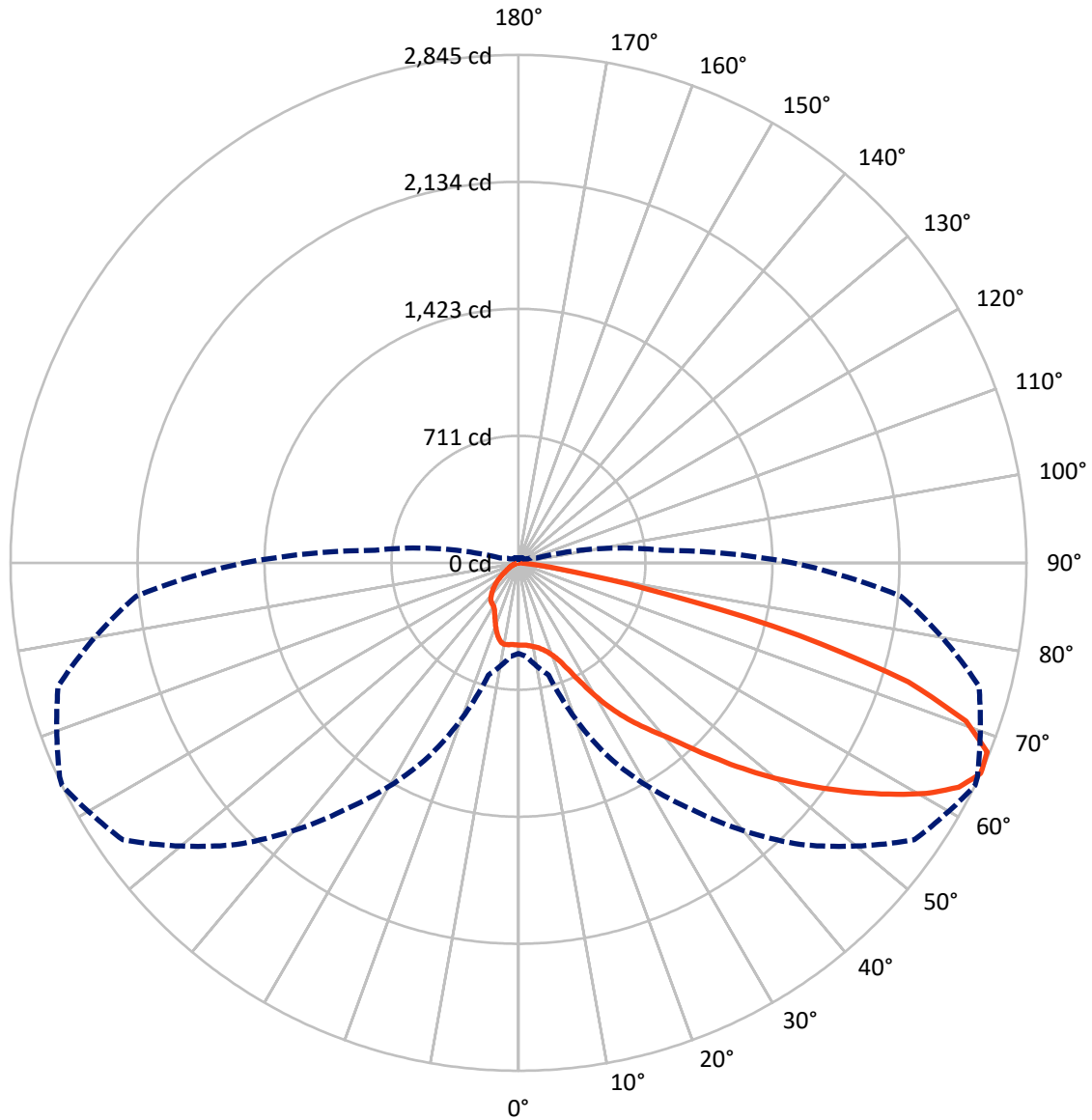
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	530.1	0.0	530.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	3433.9	0.0	3433.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	3964.0	0.0	3964.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	1.1
10°-20°	115.4	2.9
20°-30°	218.6	5.5
30°-40°	442.4	11.2
40°-50°	753.6	19.0
50°-60°	1024.8	25.9
60°-70°	962.4	24.3
70°-80°	385.6	9.7
80°-90°	18.7	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°	3964.0	100.0
0°-180°	3964.0	100.0

Coefficient of Utilization



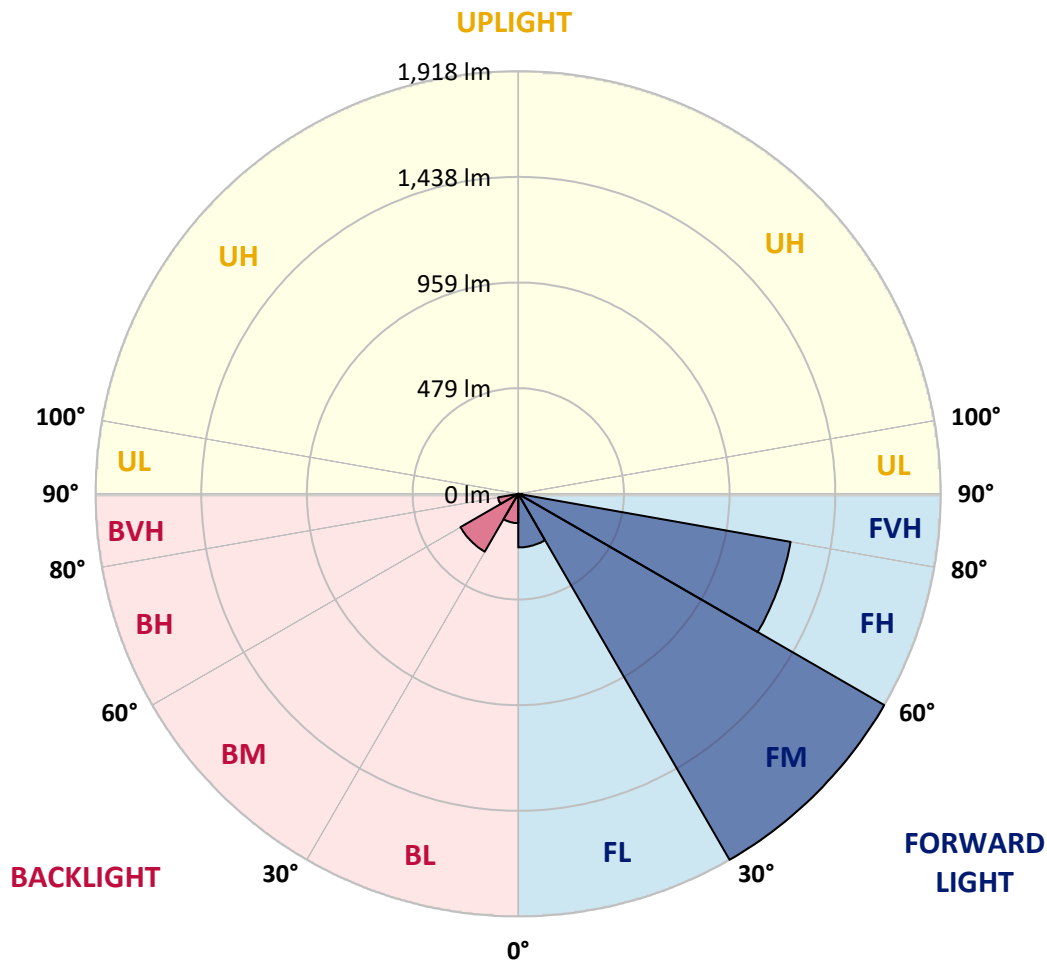
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.4	6.1			
FM (30°-60°)	1917.8	48.4			
FH (60°-80°)	1254.9	31.7			G1/1800
FVH (80°-90°)	17.8	0.4			G1/100
BL (0°-30°)	133.1	3.4	B1/500		
BM (30°-60°)	303.1	7.6	B1/1000		
BH (60°-80°)	93.0	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	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°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
2.5°	459.5	462.6	461.9	461.1	460.8	461.3	461.6	461.3	461.3	461.3
5°	450.7	453.3	453.3	455.2	457.9	461.1	463.4	464.0	464.5	465.3
7.5°	433.9	436.1	437.7	443.8	450.4	458.9	466.1	469.8	470.4	473.3
10°	422.5	425.2	427.8	434.2	443.8	456.5	468.8	477.8	479.1	486.0
12.5°	422.0	424.6	428.1	435.0	446.2	459.7	474.6	487.6	490.0	500.1
15°	427.6	430.8	433.9	442.5	454.4	470.9	486.8	503.0	505.4	519.8
17.5°	439.0	443.2	445.6	454.1	466.9	485.2	506.2	524.8	527.0	543.7
20°	461.6	466.6	467.4	474.3	486.8	506.5	531.5	554.6	557.3	576.4
22.5°	508.4	515.5	509.2	512.6	523.8	543.4	570.5	599.8	603.5	625.3
25°	590.7	600.8	584.4	578.5	583.3	603.8	637.8	674.7	679.0	696.5
27.5°	752.6	739.5	714.6	690.1	675.8	687.5	725.7	771.4	776.8	793.8
30°	930.3	918.9	885.2	831.0	796.9	795.1	830.4	881.5	887.6	903.8
32.5°	1108.4	1097.5	1060.8	994.1	935.1	905.9	930.3	986.9	990.1	1000.5
35°	1283.5	1272.4	1235.7	1167.4	1094.8	1028.4	1023.6	1087.4	1088.5	1099.4
37.5°	1459.7	1450.4	1411.3	1344.4	1272.9	1181.2	1136.8	1182.5	1183.9	1194.5
40°	1585.4	1589.4	1562.5	1510.7	1449.3	1349.1	1263.8	1283.8	1275.8	1293.6
42.5°	1693.3	1701.3	1677.9	1651.8	1616.2	1528.0	1421.2	1417.7	1405.0	1414.5
45°	1786.6	1793.2	1772.2	1766.1	1765.3	1703.4	1593.1	1572.4	1554.6	1552.7
47.5°	1820.8	1833.6	1842.6	1863.1	1902.9	1876.9	1770.9	1738.7	1718.8	1704.2
50°	1833.9	1847.4	1878.2	1937.8	2032.1	2043.3	1947.9	1911.7	1887.3	1860.7
52.5°	1816.3	1840.5	1882.0	1982.1	2119.0	2176.7	2117.7	2086.0	2058.1	2014.8
55°	1712.9	1737.1	1821.9	1981.6	2162.3	2270.2	2278.2	2264.1	2232.7	2164.4
57.5°	1495.0	1530.9	1665.1	1914.1	2161.5	2350.7	2435.5	2445.6	2410.5	2312.7
60°	1193.2	1241.8	1405.5	1764.5	2094.8	2394.3	2573.4	2623.9	2586.7	2458.9
62.5°	832.6	888.9	1043.8	1530.1	1942.3	2362.9	2674.1	2767.4	2739.2	2589.6
65°	507.8	525.9	650.8	1204.1	1682.9	2231.7	2705.2	2845.0	2835.7	2669.6
67.5°	338.3	353.4	389.3	825.6	1306.4	1969.4	2630.8	2831.4	2834.1	2656.6
70°	203.8	216.8	240.2	480.2	846.6	1558.8	2400.4	2658.7	2674.1	2482.5
72.5°	84.0	92.7	114.0	217.6	438.5	989.3	1911.4	2282.7	2318.6	2087.4
75°	47.6	52.1	67.0	109.2	190.3	461.1	1157.8	1620.5	1673.3	1438.7
77.5°	31.6	33.7	43.3	70.7	107.1	157.3	494.8	844.2	945.2	785.8
80°	21.3	23.1	29.8	47.3	69.6	67.5	157.6	312.8	384.8	270.0
82.5°	14.3	14.6	21.3	31.1	44.1	32.7	46.5	97.3	122.2	78.1
85°	8.2	8.0	15.7	18.1	19.7	13.6	14.1	29.2	38.3	33.0
87.5°	1.1	1.6	6.1	4.8	2.7	2.9	2.9	5.0	7.4	8.0
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°
461.1	0°	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1	461.1
461.6	2.5°	461.6	461.3	460.5	459.7	457.9	456.8	457.3	456.8	456.5	456.8
465.0	5°	465.0	464.2	462.1	459.5	455.7	451.2	448.3	444.0	440.1	437.7
474.3	7.5°	474.3	473.5	470.6	463.2	451.2	432.4	415.1	399.9	388.5	381.9
489.2	10°	489.2	487.9	483.4	466.9	435.5	394.4	360.1	331.6	313.0	304.3
506.8	12.5°	506.8	505.2	497.2	463.4	405.8	341.5	294.2	262.5	245.3	237.6
527.0	15°	527.5	525.4	509.7	447.0	362.5	283.0	239.7	216.0	204.9	198.0
552.7	17.5°	553.3	549.5	519.0	422.3	315.4	238.4	206.2	188.4	178.6	171.9
586.5	20°	586.7	580.6	526.4	392.8	272.1	210.2	183.6	168.7	161.3	155.5
634.3	22.5°	633.5	624.7	535.5	360.9	241.6	190.8	166.9	156.0	149.9	143.2
701.0	25°	691.4	681.1	546.6	331.4	220.6	174.1	154.7	145.6	138.4	130.7
788.4	27.5°	772.5	753.9	559.9	307.2	202.5	159.7	143.5	133.4	125.2	118.8
887.6	30°	862.8	832.3	571.6	292.6	186.0	146.4	128.9	118.8	111.1	106.6
976.6	32.5°	948.4	907.0	579.3	286.2	171.1	131.3	112.9	102.0	96.2	94.9
1063.7	35°	1029.2	974.5	578.5	280.1	157.8	116.1	97.3	86.1	81.6	82.4
1157.6	37.5°	1122.2	1046.5	572.9	270.5	147.0	102.3	83.7	73.9	69.9	70.2
1271.6	40°	1230.4	1129.6	569.5	252.5	135.0	89.6	72.5	64.6	61.7	60.6
1391.7	42.5°	1345.7	1210.2	570.0	232.0	120.1	78.1	64.8	58.2	55.5	54.7
1525.3	45°	1461.6	1287.0	570.8	210.7	104.4	69.4	59.3	53.7	52.1	51.0
1660.9	47.5°	1570.5	1352.3	555.9	187.9	89.0	62.7	54.7	51.0	49.7	48.4
1796.9	50°	1672.0	1395.9	520.0	161.3	76.8	57.4	51.3	48.6	47.3	46.0
1920.2	52.5°	1750.9	1402.8	460.8	133.9	68.3	53.4	49.2	46.8	45.2	43.8
2019.9	55°	1786.0	1359.5	376.5	108.4	61.7	50.0	47.0	44.6	42.8	41.5
2098.3	57.5°	1777.0	1268.4	293.6	87.2	55.3	46.5	44.4	42.8	40.7	38.5
2161.8	60°	1732.6	1146.4	221.4	72.5	49.4	42.8	41.5	40.1	37.2	34.0
2186.2	62.5°	1655.8	993.1	157.8	60.1	43.0	38.5	38.0	36.9	32.7	26.8
2150.1	65°	1538.4	806.8	106.3	50.0	36.9	33.7	34.0	32.2	26.6	19.9
2017.7	67.5°	1366.7	589.9	68.0	40.9	30.8	28.2	28.4	27.4	22.6	17.0
1766.9	70°	1148.0	390.6	44.4	31.1	24.7	21.8	23.4	23.7	19.1	13.8
1356.1	72.5°	841.6	230.7	31.1	23.1	18.1	15.1	19.1	19.7	15.4	10.4
815.8	75°	479.7	109.5	23.4	16.7	11.2	10.6	14.9	14.9	10.6	6.9
353.2	77.5°	201.4	45.7	16.5	10.9	6.4	6.1	10.1	9.3	5.3	3.2
86.1	80°	58.2	20.5	8.8	5.3	2.7	2.4	4.0	2.9	1.3	0.5
32.7	82.5°	22.9	9.0	3.5	2.1	1.1	1.1	0.5	0.0	0.0	0.0
18.6	85°	13.6	3.7	1.6	0.8	0.3	0.0	0.0	0.0	0.0	0.0
4.0	87.5°	3.5	0.8	0.5	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°
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461.1
457.9
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