

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: P852346

Luminaire Tested: **GLAN-SB3A-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852346
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-SB3A-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 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: 6875 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

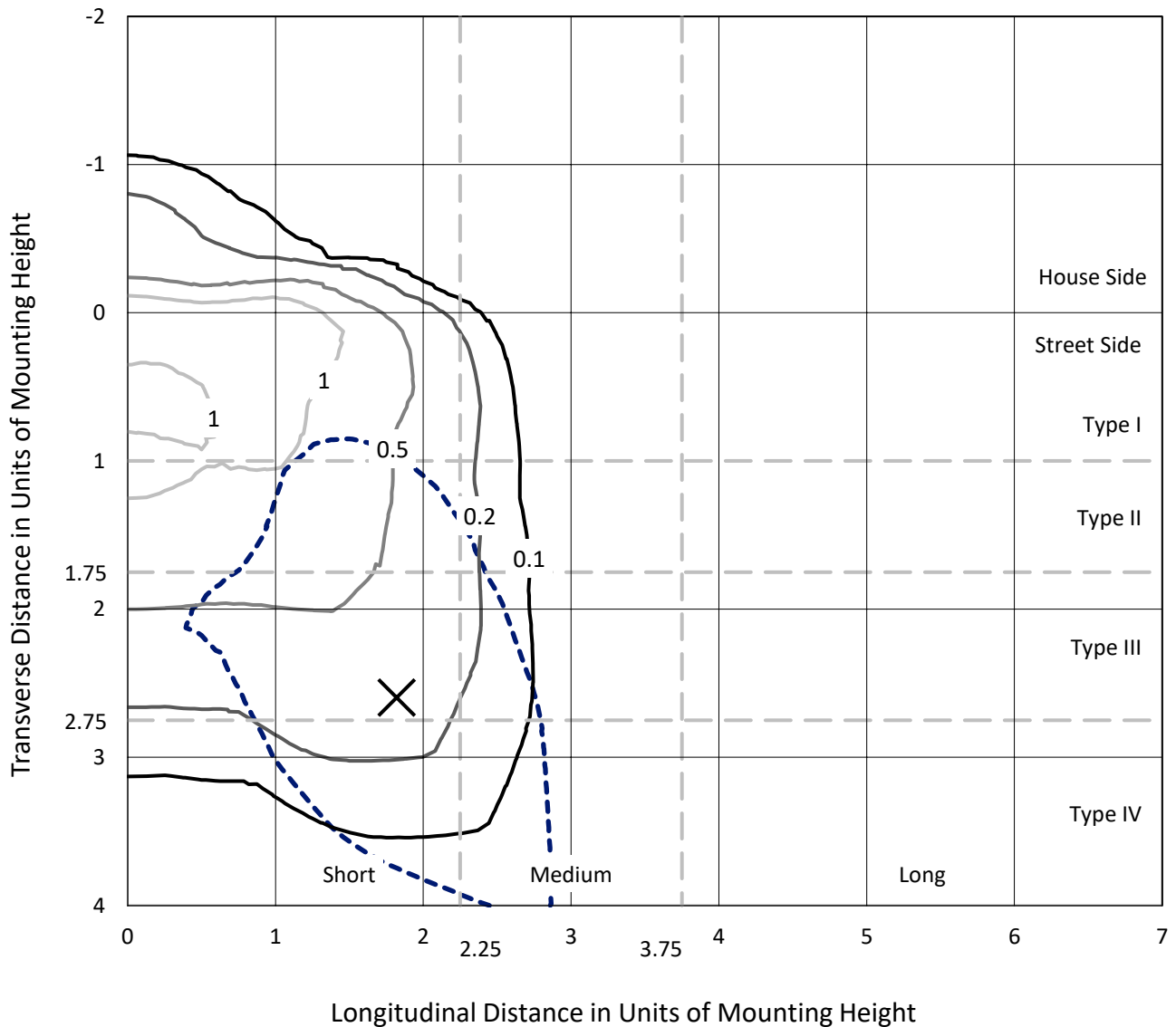
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

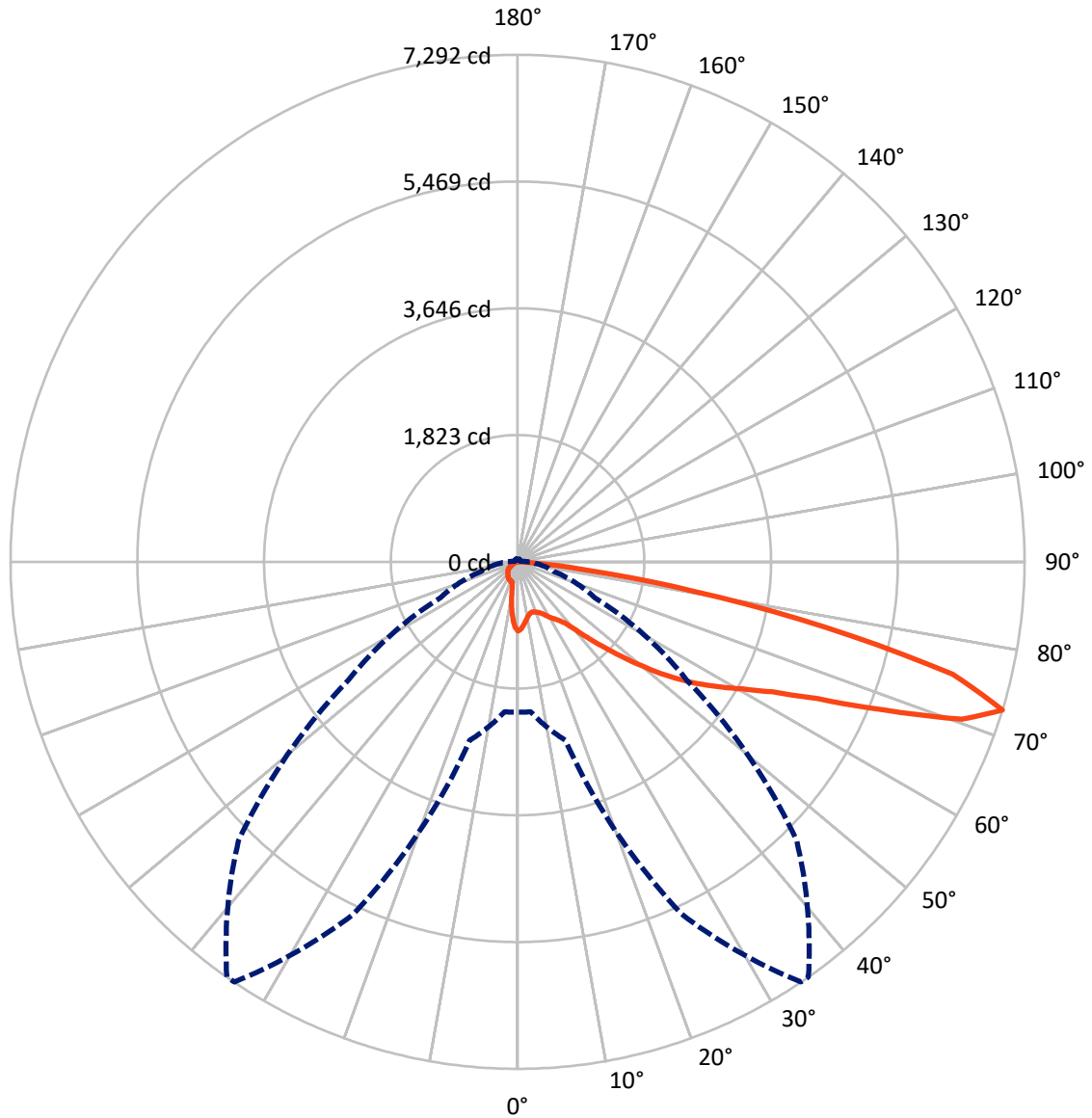
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	773.7	0.0	773.7
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	6101.3	0.0	6101.3
	% Fixture	88.7	0.0	88.7
Total	Lumens	6875.0	0.0	6875.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	1.2
10°-20°	191.5	2.8
20°-30°	311.2	4.5
30°-40°	519.2	7.6
40°-50°	982.3	14.3
50°-60°	1560.8	22.7
60°-70°	1930.9	28.1
70°-80°	1200.2	17.5
80°-90°	97.0	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°	6875.0	100.0
0°-180°	6875.0	100.0

Coefficient of Utilization



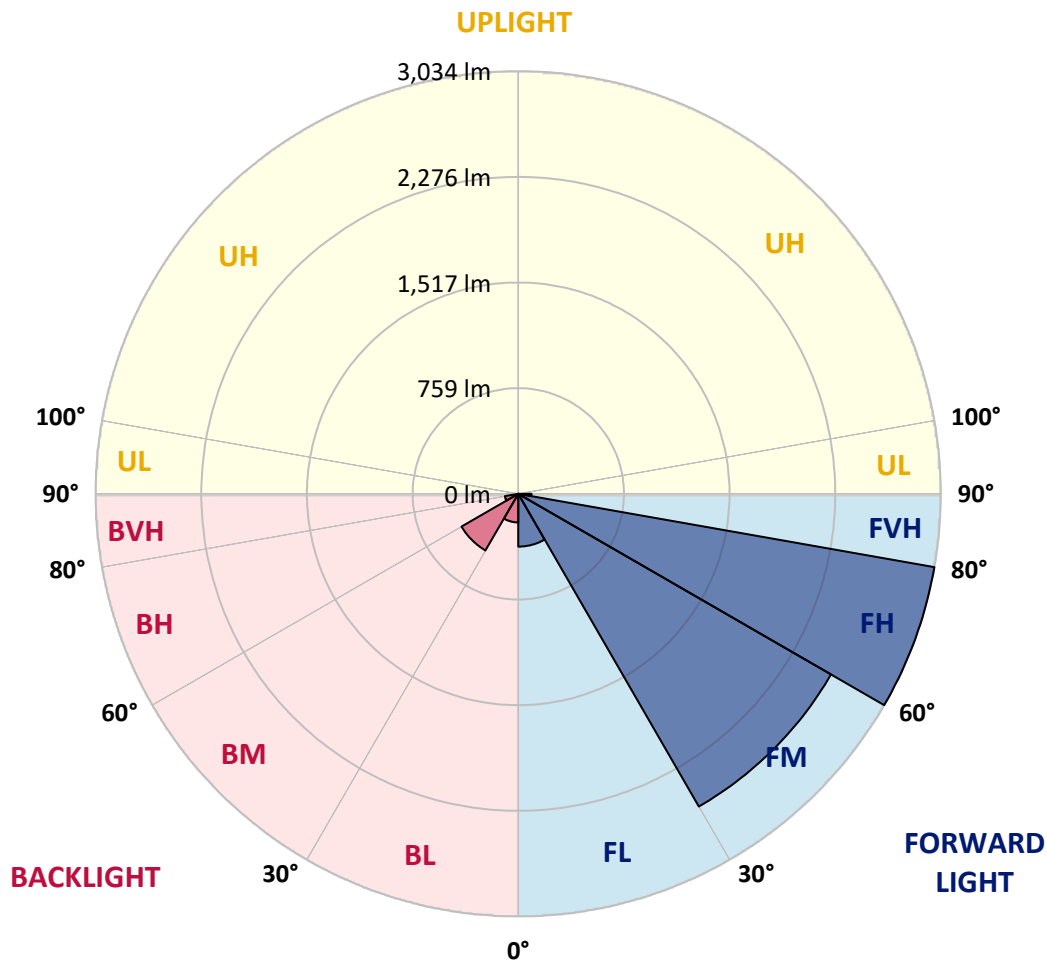
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	379.0	5.5			
FM	(30°-60°)	2592.6	37.7			
FH	(60°-80°)	3034.0	44.1			G2/5000
FVH	(80°-90°)	95.7	1.4			G1/100
BL	(0°-30°)	205.6	3.0	B1/500		
BM	(30°-60°)	469.7	6.8	B1/1000		
BH	(60°-80°)	97.1	1.4	B0/110		G0/110
BVH	(80°-90°)	1.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	996.4	996.4	996.4	996.4	996.4	996.4	996.4	996.4	996.4	996.4
2.5°	952.1	960.1	961.7	964.2	964.2	967.2	972.2	979.3	990.9	996.9
5°	877.5	883.6	891.1	897.2	908.8	910.3	929.9	949.1	975.8	995.9
7.5°	802.5	809.5	819.6	834.2	849.3	853.9	883.6	915.8	958.1	995.9
10°	749.6	750.1	759.2	773.8	797.9	803.5	839.8	885.6	938.5	989.9
12.5°	719.9	723.4	727.4	738.5	761.7	765.2	804.0	857.9	918.8	986.3
15°	719.9	722.4	724.9	730.4	749.1	752.1	786.4	840.3	908.8	987.9
17.5°	727.4	731.4	729.4	736.0	755.6	757.6	787.9	835.2	908.3	997.4
20°	745.6	748.6	744.5	748.6	768.2	772.2	803.5	844.8	916.8	1014.0
22.5°	774.3	775.8	766.2	769.2	789.4	794.4	830.7	872.0	937.5	1040.7
25°	810.5	813.6	798.9	802.5	821.6	827.7	869.5	912.8	970.2	1077.5
27.5°	852.3	853.9	841.3	840.8	865.4	874.0	916.3	963.2	1014.0	1123.9
30°	900.2	904.7	892.6	890.6	921.9	928.9	970.7	1025.1	1078.5	1193.4
32.5°	938.0	941.5	934.5	939.5	971.2	976.8	1036.7	1112.8	1179.8	1292.1
35°	992.4	994.4	978.3	987.4	1023.6	1037.7	1126.9	1235.7	1307.2	1416.0
37.5°	1189.4	1189.4	1120.8	1076.0	1110.8	1123.4	1250.3	1390.4	1464.4	1582.3
40°	1461.9	1457.3	1357.1	1265.4	1260.9	1285.6	1426.1	1585.3	1667.4	1781.8
42.5°	1752.5	1745.5	1609.0	1518.3	1503.2	1511.8	1629.1	1825.6	1909.2	2025.1
45°	2010.5	2008.5	1883.5	1761.6	1734.4	1761.6	1882.5	2106.7	2166.6	2288.5
47.5°	2226.6	2226.6	2135.4	2055.8	2041.7	2057.8	2225.6	2418.5	2413.0	2569.1
50°	2475.4	2473.4	2386.8	2352.5	2367.1	2389.8	2620.5	2747.0	2667.9	2844.7
52.5°	2649.7	2661.8	2632.1	2626.6	2701.1	2740.4	3021.5	3068.3	2896.1	3106.1
55°	2787.8	2801.9	2836.1	2874.9	3018.5	3069.9	3409.9	3373.1	3087.0	3332.8
57.5°	2983.2	2963.1	3016.0	3092.5	3324.8	3386.7	3786.2	3660.8	3240.6	3516.7
60°	3220.5	3223.5	3232.6	3329.3	3630.5	3710.1	4156.9	3932.8	3339.4	3629.5
62.5°	3505.6	3510.1	3528.8	3677.4	4041.1	4116.1	4551.9	4155.4	3384.7	3597.8
65°	3486.0	3505.1	3713.1	4221.4	4665.2	4739.3	5012.8	4311.6	3316.2	3307.6
67.5°	3175.6	3206.9	3555.0	4871.3	5606.2	5688.9	5570.0	4342.3	3020.5	2572.1
70°	2768.6	2779.7	3198.3	5455.6	6695.8	6779.5	6068.7	4004.3	2292.1	1434.7
72.5°	2162.1	2164.6	2655.8	5591.1	7287.3	7291.8	5677.3	2972.6	1232.7	551.1
75°	1544.5	1529.4	1778.7	4534.3	6411.2	6462.6	4256.2	1394.4	471.0	260.4
77.5°	828.2	844.8	1006.5	2689.0	4429.0	4516.6	2322.3	402.0	239.8	177.3
80°	255.9	270.0	412.6	1231.2	2508.7	2561.6	860.9	178.8	167.2	126.4
82.5°	80.6	83.6	192.4	517.4	1041.3	1065.4	249.4	101.3	114.4	83.6
85°	23.2	23.7	85.6	192.9	257.4	262.5	70.0	39.3	65.5	51.9
87.5°	2.5	8.1	32.2	32.2	22.7	22.2	7.6	8.6	18.6	6.5
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°
996.4	0°	996.4	996.4	996.4	996.4	996.4	996.4	996.4	996.4	996.4	996.4
1001.0	2.5°	998.4	998.9	992.4	981.3	969.2	959.1	946.5	936.5	929.4	927.4
1010.0	5°	1005.5	1002.0	983.3	949.6	909.3	874.5	835.7	805.0	784.8	776.3
1019.6	7.5°	1016.1	1006.0	965.2	898.7	821.6	753.1	683.6	629.7	595.4	578.3
1028.7	10°	1025.1	1005.0	935.0	825.1	707.3	603.5	509.8	444.8	408.5	391.4
1039.2	12.5°	1033.7	1004.5	895.7	738.0	578.3	451.4	364.2	332.0	321.9	318.4
1056.4	15°	1049.8	1006.0	846.3	638.3	449.8	341.0	309.3	308.8	310.8	309.8
1082.6	17.5°	1072.0	1007.5	790.4	532.5	347.1	300.7	299.2	303.8	306.8	305.3
1115.3	20°	1100.7	1013.5	730.9	427.7	298.2	290.7	294.2	298.2	300.7	298.2
1159.1	22.5°	1141.0	1024.1	666.0	343.6	282.6	284.6	287.6	292.2	294.7	291.2
1215.0	25°	1190.4	1040.7	602.0	298.7	275.0	277.6	282.1	287.1	290.2	286.6
1285.6	27.5°	1254.3	1067.4	543.0	288.6	267.5	269.0	275.6	283.1	287.1	282.6
1385.8	30°	1347.0	1111.3	492.2	293.2	263.0	259.4	268.5	279.1	283.6	279.6
1522.3	32.5°	1469.9	1173.2	460.9	300.2	260.9	248.3	256.9	270.5	278.1	275.6
1700.7	35°	1631.1	1267.4	448.8	308.3	259.4	236.8	242.8	257.4	270.5	273.0
1925.3	37.5°	1826.6	1398.4	452.4	311.8	254.9	227.2	230.2	242.8	259.9	268.0
2178.2	40°	2048.8	1551.0	472.5	308.3	249.9	219.1	219.6	229.2	244.3	256.4
2450.2	42.5°	2278.0	1729.4	509.8	295.2	245.3	212.1	210.6	217.1	227.2	235.8
2721.8	45°	2496.1	1912.7	546.6	277.1	239.8	205.0	201.5	204.0	206.0	209.6
2986.2	47.5°	2686.5	2041.7	536.0	260.4	232.2	197.0	190.9	189.9	183.9	183.4
3222.5	50°	2818.0	2069.9	476.0	243.8	221.1	187.9	178.3	172.3	161.7	156.7
3399.3	52.5°	2859.8	1958.6	388.9	227.2	203.0	175.8	162.2	152.6	139.5	135.0
3501.1	55°	2804.4	1740.5	310.8	207.0	177.8	159.7	144.6	132.0	121.4	115.9
3512.1	57.5°	2668.9	1462.9	245.8	183.4	151.1	141.6	126.4	113.8	104.8	99.2
3389.2	60°	2444.2	1161.6	194.4	155.2	129.0	121.9	106.3	98.2	90.2	83.6
3071.9	62.5°	2103.2	829.2	152.6	122.9	107.8	99.7	90.7	84.6	75.1	66.0
2501.1	65°	1641.2	507.3	117.9	90.2	86.6	82.6	77.1	71.5	59.9	50.9
1631.6	67.5°	1035.2	240.3	84.1	68.0	68.5	66.5	64.0	59.4	50.9	42.8
730.9	70°	455.9	116.4	55.4	51.9	50.9	50.9	52.9	51.4	43.3	35.8
253.9	72.5°	155.2	62.5	41.3	39.3	36.8	36.3	44.3	42.8	34.8	27.7
126.4	75°	81.1	41.8	30.2	28.2	22.2	26.7	35.3	33.2	24.7	18.1
83.6	77.5°	52.9	29.7	20.7	18.1	12.6	17.6	26.2	23.2	14.6	9.1
54.9	80°	33.2	19.6	12.1	8.6	6.0	9.6	14.1	10.1	5.5	2.0
32.2	82.5°	17.6	10.1	4.5	3.0	2.5	3.0	3.5	2.5	1.0	0.0
16.6	85°	7.1	3.5	1.5	1.0	0.5	0.0	1.0	0.5	0.0	0.0
3.0	87.5°	2.5	0.5	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°
996.4
930.9
779.3
580.8
391.9
317.4
309.3
304.8
297.7
290.7
286.1
282.6
279.1
275.6
273.0
270.0
260.4
239.3
211.6
182.9
157.2
134.5
115.9
98.2
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