

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: P852190

Luminaire Tested: **GLAN-SB2A-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852190
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-SB2A-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 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: 6665 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

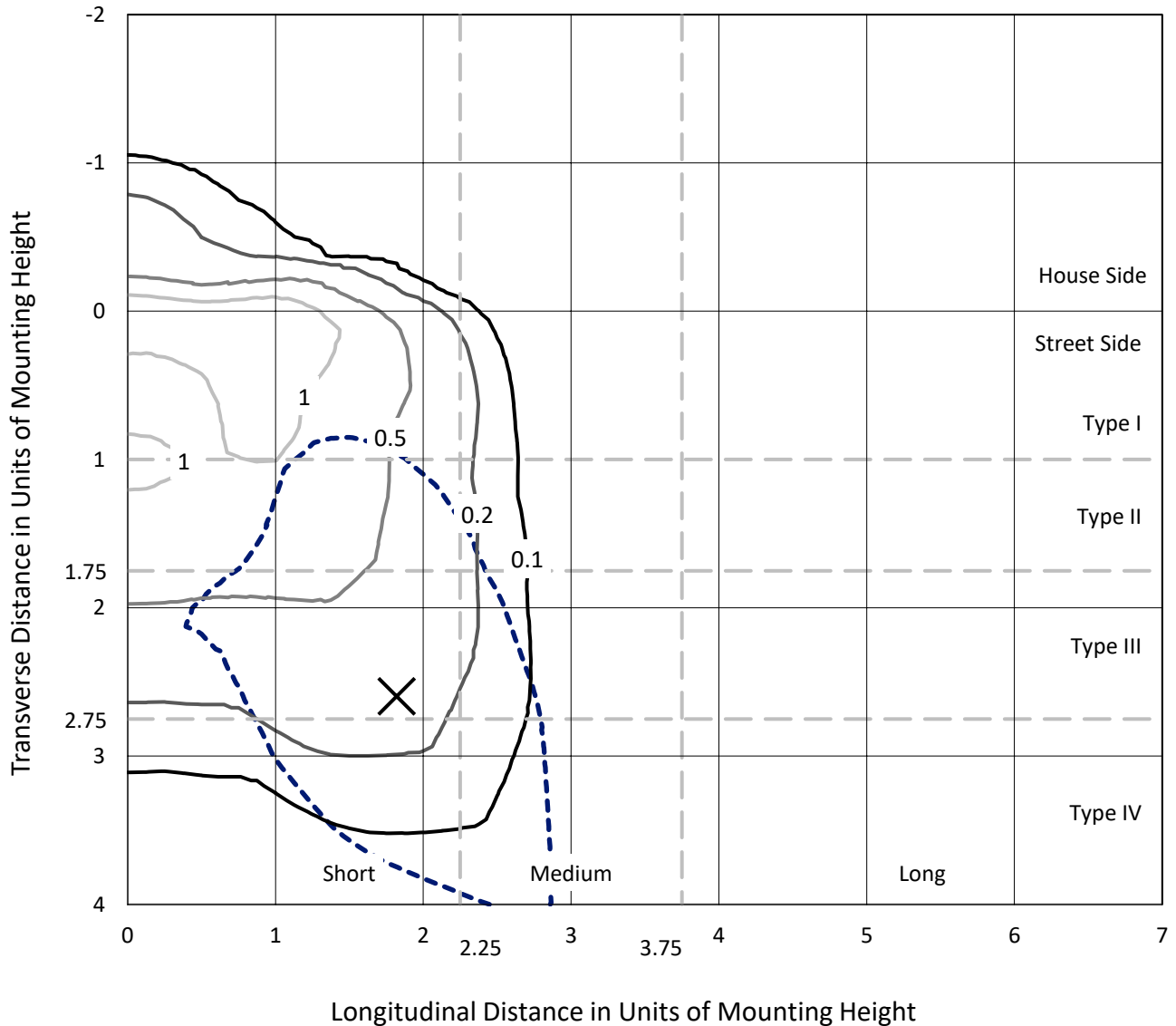
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

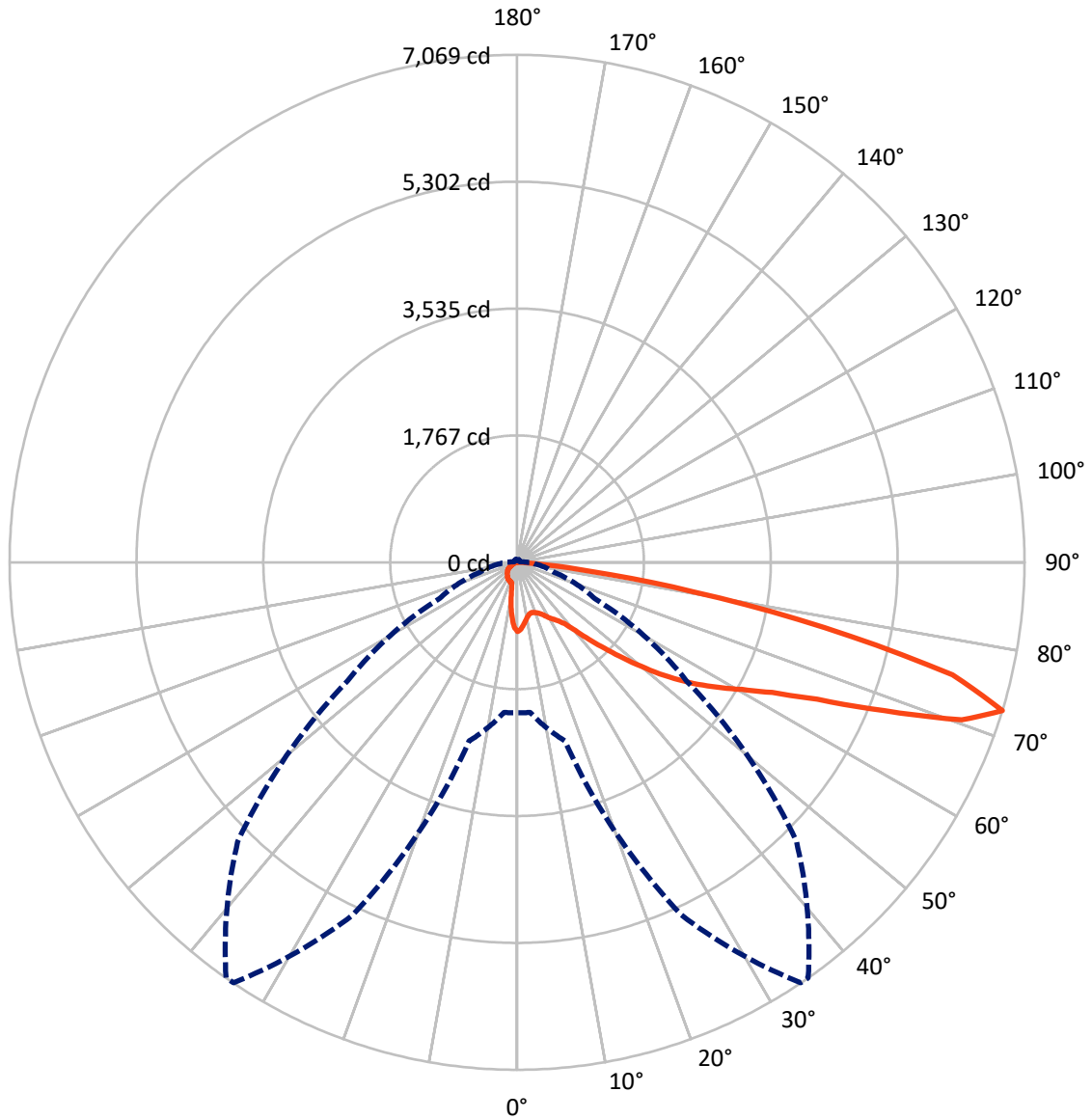
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	750.1	0.0	750.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	5914.9	0.0	5914.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	6665.0	0.0	6665.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	1.2
10°-20°	185.7	2.8
20°-30°	301.7	4.5
30°-40°	503.3	7.6
40°-50°	952.3	14.3
50°-60°	1513.2	22.7
60°-70°	1871.9	28.1
70°-80°	1163.6	17.5
80°-90°	94.0	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°	6665.0	100.0
0°-180°	6665.0	100.0

Coefficient of Utilization



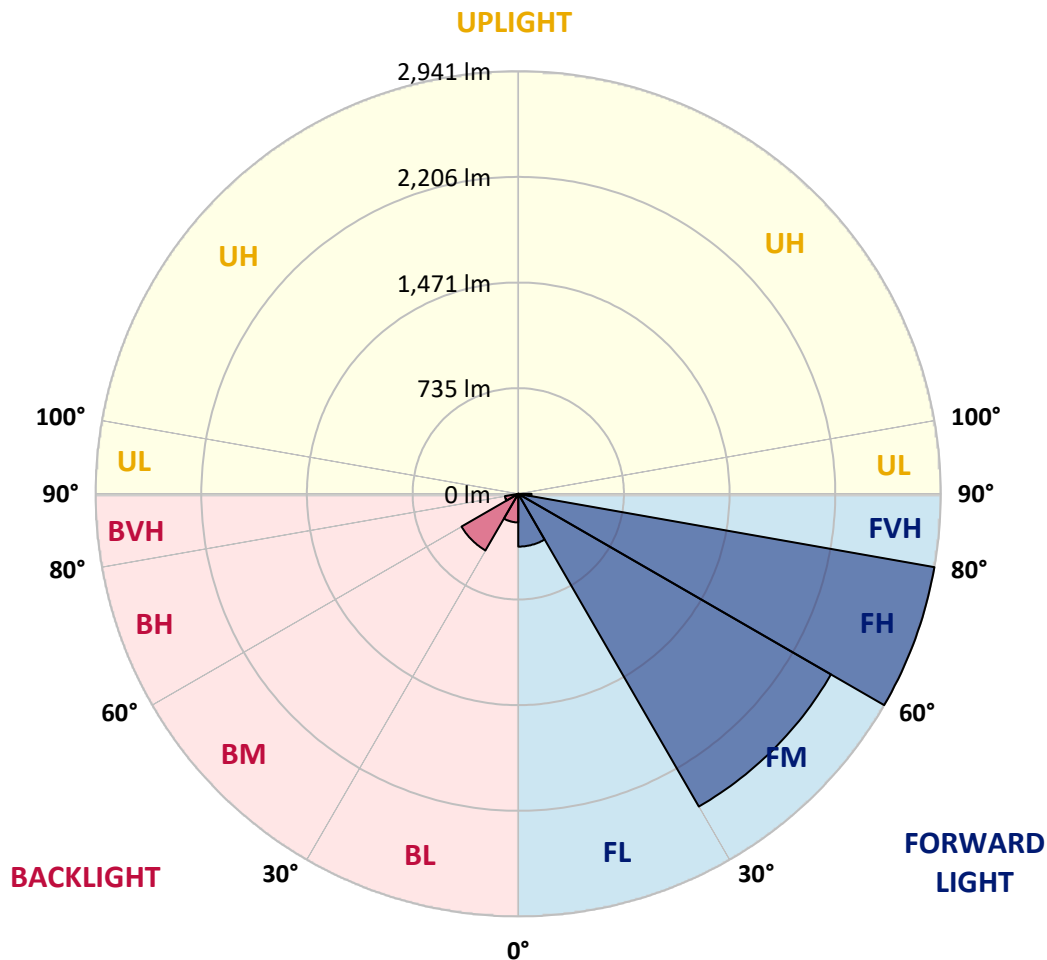
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	367.4	5.5			
FM	(30°-60°)	2513.4	37.7			
FH	(60°-80°)	2941.3	44.1			G2/5000
FVH	(80°-90°)	92.8	1.4			G1/100
BL	(0°-30°)	199.3	3.0	B1/500		
BM	(30°-60°)	455.4	6.8	B1/1000		
BH	(60°-80°)	94.1	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°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
2.5°	923.0	930.8	932.3	934.7	934.7	937.7	942.5	949.4	960.6	966.5
5°	850.7	856.6	863.9	869.8	881.0	882.5	901.5	920.1	946.0	965.5
7.5°	778.0	784.8	794.6	808.7	823.4	827.8	856.6	887.8	928.9	965.5
10°	726.7	727.2	736.0	750.1	773.6	778.9	814.1	858.5	909.8	959.6
12.5°	697.9	701.3	705.2	715.9	738.4	741.8	779.4	831.7	890.8	956.2
15°	697.9	700.3	702.8	708.1	726.2	729.1	762.3	814.6	881.0	957.7
17.5°	705.2	709.1	707.1	713.5	732.5	734.5	763.8	809.7	880.5	967.0
20°	722.8	725.7	721.8	725.7	744.8	748.7	778.9	819.0	888.8	983.1
22.5°	750.6	752.1	742.8	745.7	765.3	770.1	805.3	845.4	908.8	1009.0
25°	785.8	788.7	774.5	778.0	796.5	802.4	842.9	884.9	940.6	1044.6
27.5°	826.3	827.8	815.6	815.1	839.0	847.3	888.3	933.8	983.1	1089.5
30°	872.7	877.1	865.4	863.4	893.7	900.5	941.1	993.8	1045.6	1156.9
32.5°	909.3	912.8	905.9	910.8	941.6	946.9	1005.1	1078.8	1143.7	1252.7
35°	962.1	964.0	948.4	957.2	992.4	1006.0	1092.5	1198.0	1267.3	1372.8
37.5°	1153.0	1153.0	1086.6	1043.1	1076.8	1089.0	1212.1	1347.9	1419.7	1533.9
40°	1417.2	1412.8	1315.6	1226.8	1222.4	1246.3	1382.6	1536.9	1616.5	1727.3
42.5°	1699.0	1692.2	1559.8	1471.9	1457.3	1465.6	1579.4	1769.8	1850.9	1963.2
45°	1949.1	1947.1	1826.0	1707.8	1681.4	1707.8	1825.0	2042.3	2100.4	2218.6
47.5°	2158.6	2158.6	2070.2	1993.0	1979.3	1995.0	2157.6	2344.6	2339.3	2490.7
50°	2399.8	2397.9	2313.9	2280.7	2294.8	2316.8	2540.5	2663.0	2586.4	2757.8
52.5°	2568.8	2580.5	2551.7	2546.3	2618.6	2656.7	2929.2	2974.6	2807.6	3011.2
55°	2702.6	2716.3	2749.5	2787.1	2926.3	2976.1	3305.7	3270.1	2992.7	3231.0
57.5°	2892.1	2872.6	2923.8	2998.1	3223.2	3283.3	3670.5	3548.9	3141.6	3409.3
60°	3122.1	3125.0	3133.8	3227.6	3519.6	3596.8	4030.0	3812.6	3237.4	3518.7
62.5°	3398.5	3402.9	3421.0	3565.0	3917.6	3990.4	4412.8	4028.5	3281.3	3487.9
65°	3379.5	3398.0	3599.7	4092.5	4522.7	4594.5	4859.7	4179.9	3214.9	3206.6
67.5°	3078.6	3108.9	3446.4	4722.5	5435.0	5515.1	5399.8	4209.7	2928.2	2493.6
70°	2684.0	2694.8	3100.6	5289.0	6491.3	6572.4	5883.3	3882.0	2222.1	1390.9
72.5°	2096.1	2098.5	2574.6	5420.3	7064.7	7069.1	5503.9	2881.8	1195.0	534.3
75°	1497.3	1482.7	1724.4	4395.8	6215.4	6265.2	4126.2	1351.8	456.6	252.5
77.5°	802.9	819.0	975.7	2606.9	4293.7	4378.7	2251.4	389.7	232.5	171.9
80°	248.1	261.8	400.0	1193.6	2432.0	2483.3	834.6	173.4	162.1	122.6
82.5°	78.1	81.1	186.6	501.5	1009.4	1032.9	241.7	98.2	110.9	81.1
85°	22.5	23.0	83.0	187.0	249.6	254.4	67.9	38.1	63.5	50.3
87.5°	2.4	7.8	31.3	31.3	22.0	21.5	7.3	8.3	18.1	6.3
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°
966.0	0°	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0	966.0
970.4	2.5°	967.9	968.4	962.1	951.3	939.6	929.8	917.6	907.9	901.0	899.1
979.2	5°	974.8	971.4	953.3	920.6	881.5	847.8	810.2	780.4	760.9	752.6
988.4	7.5°	985.0	975.3	935.7	871.2	796.5	730.1	662.7	610.5	577.2	560.6
997.2	10°	993.8	974.3	906.4	799.9	685.7	585.1	494.2	431.2	396.1	379.5
1007.5	12.5°	1002.1	973.8	868.3	715.5	560.6	437.6	353.1	321.8	312.1	308.6
1024.1	15°	1017.7	975.3	820.4	618.8	436.1	330.6	299.9	299.4	301.3	300.3
1049.5	17.5°	1039.2	976.7	766.2	516.2	336.5	291.6	290.1	294.5	297.4	295.9
1081.2	20°	1067.1	982.6	708.6	414.6	289.1	281.8	285.2	289.1	291.6	289.1
1123.7	22.5°	1106.1	992.8	645.6	333.1	274.0	275.9	278.9	283.3	285.7	282.3
1177.9	25°	1154.0	1009.0	583.6	289.6	266.6	269.1	273.5	278.4	281.3	277.9
1246.3	27.5°	1216.0	1034.8	526.5	279.8	259.3	260.8	267.1	274.5	278.4	274.0
1343.5	30°	1305.9	1077.3	477.1	284.2	254.9	251.5	260.3	270.6	274.9	271.0
1475.8	32.5°	1425.0	1137.4	446.9	291.1	253.0	240.8	249.1	262.3	269.6	267.1
1648.7	35°	1581.3	1228.7	435.1	298.9	251.5	229.5	235.4	249.6	262.3	264.7
1866.5	37.5°	1770.8	1355.7	438.5	302.3	247.1	220.3	223.2	235.4	252.0	259.8
2111.7	40°	1986.2	1503.7	458.1	298.9	242.2	212.4	212.9	222.2	236.9	248.6
2375.4	42.5°	2208.4	1676.6	494.2	286.2	237.8	205.6	204.1	210.5	220.3	228.6
2638.6	45°	2419.8	1854.3	529.9	268.6	232.5	198.8	195.3	197.8	199.7	203.2
2895.0	47.5°	2604.4	1979.3	519.6	252.5	225.1	190.9	185.1	184.1	178.3	177.8
3124.1	50°	2731.9	2006.7	461.5	236.4	214.4	182.2	172.9	167.0	156.8	151.9
3295.5	52.5°	2772.4	1898.8	377.0	220.3	196.8	170.4	157.3	148.0	135.3	130.9
3394.1	55°	2718.7	1687.3	301.3	200.7	172.4	154.8	140.2	128.0	117.7	112.3
3404.9	57.5°	2587.3	1418.2	238.3	177.8	146.5	137.2	122.6	110.4	101.6	96.2
3285.7	60°	2369.5	1126.2	188.5	150.4	125.0	118.2	103.0	95.2	87.4	81.1
2978.0	62.5°	2038.9	803.8	148.0	119.2	104.5	96.7	87.9	82.0	72.8	64.0
2424.7	65°	1591.1	491.8	114.3	87.4	84.0	80.1	74.7	69.3	58.1	49.3
1581.8	67.5°	1003.6	232.9	81.6	65.9	66.4	64.5	62.0	57.6	49.3	41.5
708.6	70°	442.0	112.8	53.7	50.3	49.3	49.3	51.3	49.8	42.0	34.7
246.1	72.5°	150.4	60.6	40.0	38.1	35.7	35.2	43.0	41.5	33.7	26.9
122.6	75°	78.6	40.5	29.3	27.3	21.5	25.9	34.2	32.2	23.9	17.6
81.1	77.5°	51.3	28.8	20.0	17.6	12.2	17.1	25.4	22.5	14.2	8.8
53.2	80°	32.2	19.0	11.7	8.3	5.9	9.3	13.7	9.8	5.4	2.0
31.3	82.5°	17.1	9.8	4.4	2.9	2.4	2.9	3.4	2.4	1.0	0.0
16.1	85°	6.8	3.4	1.5	1.0	0.5	0.0	1.0	0.5	0.0	0.0
2.9	87.5°	2.4	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°
966.0
902.5
755.5
563.1
379.9
307.7
299.9
295.5
288.6
281.8
277.4
274.0
270.6
267.1
264.7
261.8
252.5
232.0
205.1
177.3
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