

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: P847127

Luminaire Tested: **GLAN-SB3A-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847127
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-SB3A-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 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: 8416 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

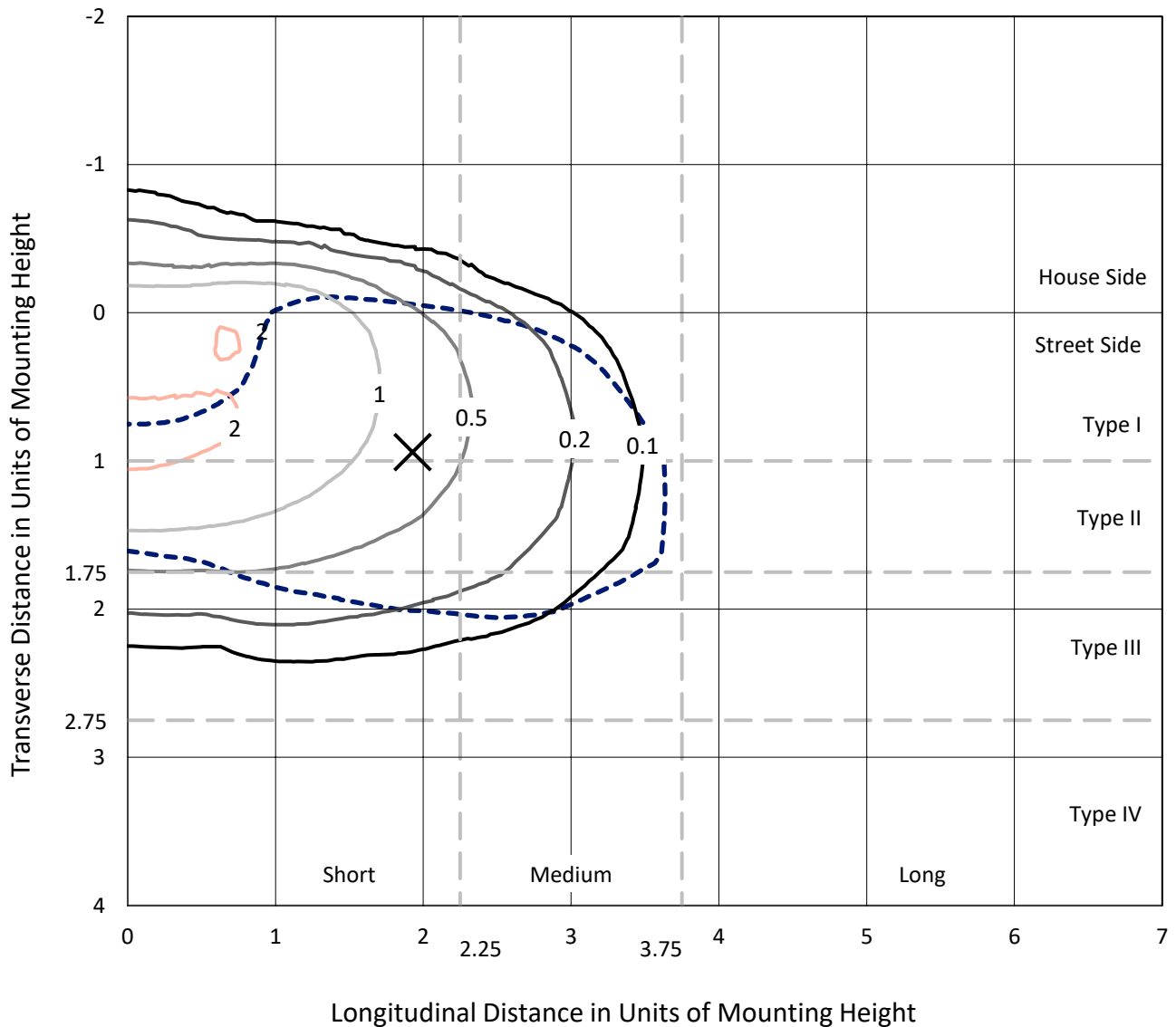
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

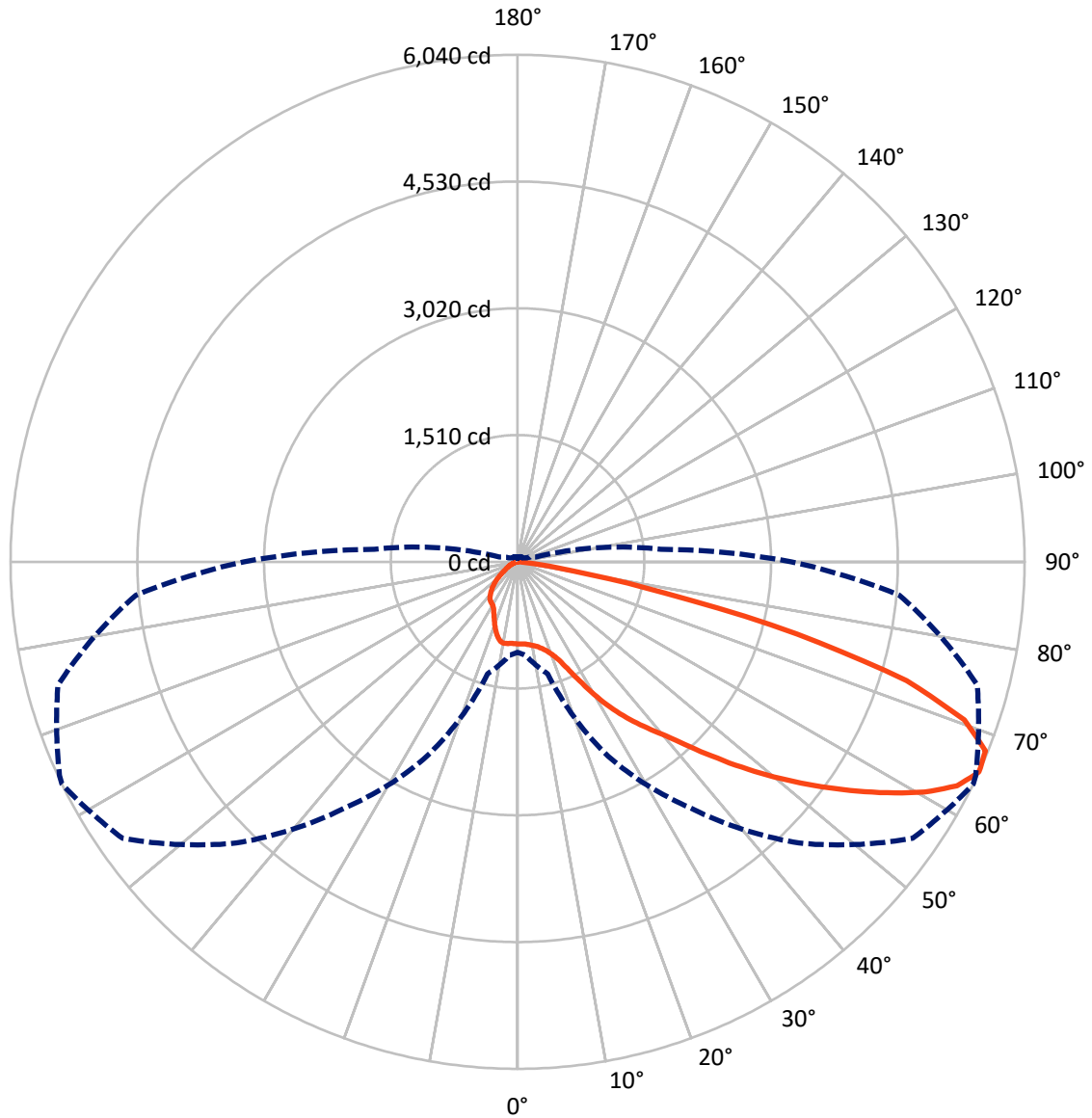
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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	1125.5	0.0	1125.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	7290.5	0.0	7290.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	8416.0	0.0	8416.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	1.1
10°-20°	244.9	2.9
20°-30°	464.2	5.5
30°-40°	939.2	11.2
40°-50°	1600.0	19.0
50°-60°	2175.9	25.9
60°-70°	2043.2	24.3
70°-80°	818.6	9.7
80°-90°	39.7	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°	8416.0	100.0
0°-180°	8416.0	100.0

Coefficient of Utilization



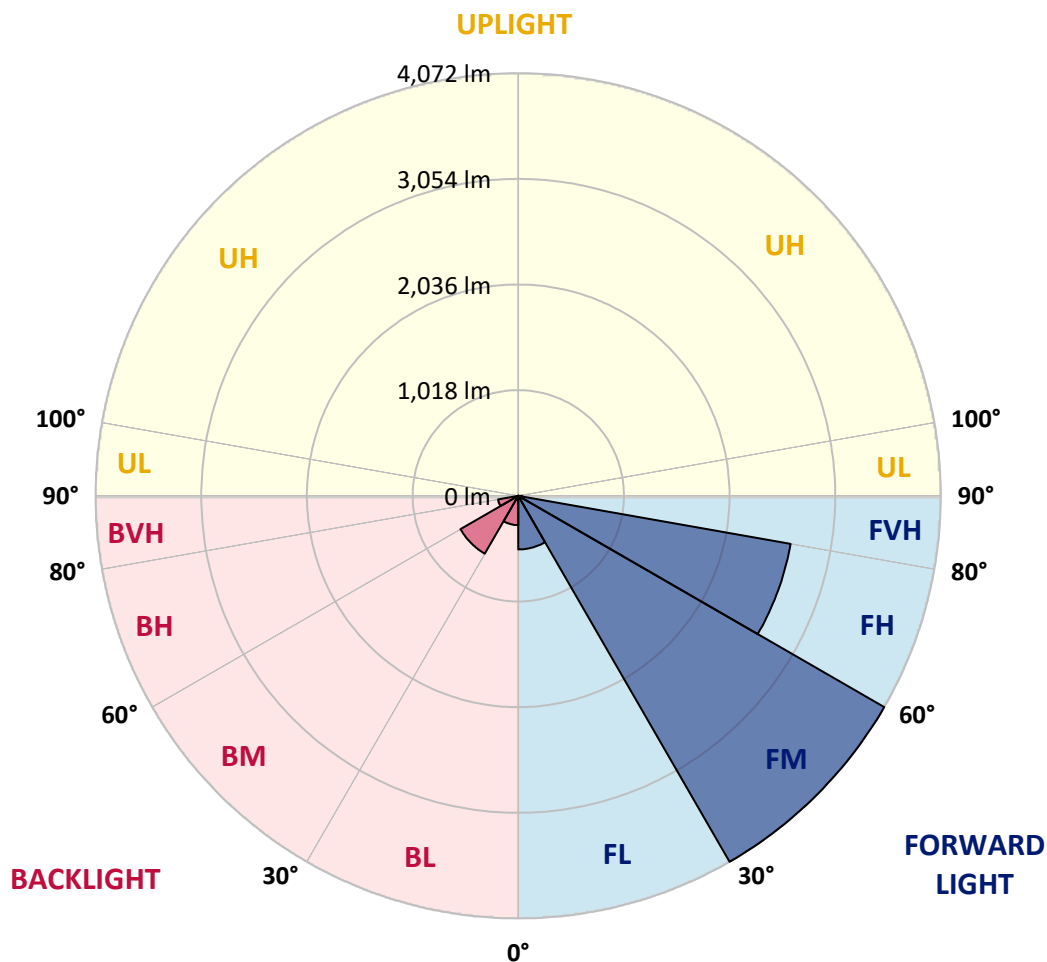
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	516.8	6.1			
FM (30°-60°)	4071.7	48.4			
FH (60°-80°)	2664.3	31.7			G2/5000
FVH (80°-90°)	37.7	0.4			G1/100
BL (0°-30°)	282.6	3.4	B1/500		
BM (30°-60°)	643.4	7.6	B1/1000		
BH (60°-80°)	197.5	2.3	B1/500		G1/500
BVH (80°-90°)	1.9	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	978.9	978.9	978.9	978.9	978.9	978.9	978.9	978.9	978.9	978.9
2.5°	975.5	982.3	980.6	978.9	978.3	979.4	980.0	979.4	979.4	979.4
5°	956.9	962.5	962.5	966.5	972.1	978.9	983.9	985.1	986.2	987.9
7.5°	921.3	925.8	929.2	942.2	956.3	974.4	989.6	997.5	998.6	1004.8
10°	897.1	902.7	908.3	921.9	942.2	969.3	995.2	1014.4	1017.2	1031.9
12.5°	895.9	901.6	908.9	923.6	947.3	976.0	1007.6	1035.3	1040.4	1061.8
15°	907.8	914.6	921.3	939.4	964.8	999.7	1033.6	1068.0	1073.1	1103.6
17.5°	932.0	941.1	946.1	964.2	991.3	1030.2	1074.8	1114.3	1118.8	1154.3
20°	980.0	990.7	992.4	1007.1	1033.6	1075.3	1128.4	1177.5	1183.1	1223.7
22.5°	1079.3	1094.5	1081.0	1088.3	1112.0	1153.8	1211.3	1273.4	1281.3	1327.5
25°	1254.2	1275.6	1240.7	1228.2	1238.4	1281.8	1354.1	1432.5	1441.5	1478.7
27.5°	1597.8	1570.1	1517.1	1465.2	1434.7	1459.6	1540.8	1637.8	1649.1	1685.2
30°	1975.2	1951.0	1879.3	1764.2	1692.0	1688.1	1763.1	1871.4	1884.4	1918.8
32.5°	2353.2	2330.1	2252.2	2110.6	1985.4	1923.3	1975.2	2095.4	2102.2	2124.2
35°	2725.0	2701.3	2623.5	2478.5	2324.5	2183.4	2173.3	2308.7	2310.9	2334.1
37.5°	3099.1	3079.3	2996.4	2854.2	2702.5	2507.8	2413.6	2510.6	2513.5	2536.0
40°	3366.0	3374.4	3317.4	3207.4	3077.1	2864.4	2683.3	2725.6	2708.7	2746.5
42.5°	3595.0	3611.9	3562.3	3507.0	3431.4	3244.1	3017.3	3009.9	2982.9	3003.2
45°	3793.0	3807.1	3762.6	3749.6	3747.9	3616.5	3382.3	3338.3	3300.5	3296.6
47.5°	3865.8	3892.9	3912.1	3955.5	4040.2	3984.9	3759.8	3691.5	3649.2	3618.1
50°	3893.5	3922.2	3987.7	4114.1	4314.4	4338.1	4135.5	4058.8	4006.9	3950.5
52.5°	3856.2	3907.6	3995.6	4208.3	4498.8	4621.3	4496.0	4428.9	4369.6	4277.7
55°	3636.8	3688.1	3868.1	4207.2	4590.8	4819.9	4836.8	4806.9	4740.3	4595.3
57.5°	3174.1	3250.3	3535.2	4063.9	4589.1	4990.8	5170.8	5192.2	5117.8	4910.1
60°	2533.2	2636.5	2984.0	3746.2	4447.5	5083.3	5463.6	5570.8	5491.8	5220.4
62.5°	1767.6	1887.2	2216.1	3248.6	4123.7	5016.8	5677.4	5875.5	5815.7	5498.0
65°	1078.2	1116.5	1381.7	2556.3	3573.0	4738.1	5743.4	6040.2	6020.5	5667.8
67.5°	718.2	750.4	826.5	1752.9	2773.6	4181.2	5585.5	6011.4	6017.1	5640.2
70°	432.7	460.4	510.0	1019.5	1797.5	3309.5	5096.3	5644.7	5677.4	5270.7
72.5°	178.3	196.9	242.0	462.1	930.9	2100.5	4058.2	4846.4	4922.6	4431.7
75°	101.0	110.6	142.2	231.9	404.0	978.9	2458.2	3440.4	3552.7	3054.5
77.5°	67.1	71.7	92.0	150.1	227.4	334.0	1050.5	1792.4	2006.8	1668.3
80°	45.1	49.1	63.2	100.4	147.8	143.3	334.6	664.1	816.9	573.2
82.5°	30.5	31.0	45.1	66.0	93.7	69.4	98.7	206.5	259.5	165.9
85°	17.5	16.9	33.3	38.4	41.7	28.8	29.9	62.1	81.2	70.0
87.5°	2.3	3.4	13.0	10.2	5.6	6.2	6.2	10.7	15.8	16.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847127
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
978.9	0°	978.9	978.9	978.9	978.9	978.9	978.9	978.9	978.9	978.9	978.9
980.0	2.5°	980.0	979.4	977.7	976.0	972.1	969.8	971.0	969.8	969.3	969.8
987.3	5°	987.3	985.6	981.1	975.5	967.6	958.0	951.8	942.8	934.3	929.2
1007.1	7.5°	1007.1	1005.4	999.2	983.4	958.0	917.9	881.3	849.1	824.8	810.7
1038.7	10°	1038.7	1035.9	1026.3	991.3	924.7	837.3	764.5	704.1	664.6	646.0
1075.9	12.5°	1075.9	1072.5	1055.6	983.9	861.5	725.0	624.6	557.4	520.7	504.4
1118.8	15°	1119.9	1115.4	1082.1	949.0	769.6	600.9	508.9	458.7	435.0	420.3
1173.5	17.5°	1174.6	1166.7	1101.9	896.5	669.7	506.1	437.8	400.0	379.1	365.0
1245.2	20°	1245.7	1232.8	1117.7	833.9	577.7	446.3	389.9	358.3	342.5	330.1
1346.7	22.5°	1345.0	1326.4	1136.8	766.2	512.8	405.1	354.3	331.2	318.2	304.1
1488.3	25°	1468.0	1446.0	1160.5	703.5	468.3	369.5	328.4	309.2	293.9	277.6
1673.9	27.5°	1640.1	1600.6	1188.7	652.2	429.9	339.1	304.7	283.2	265.7	252.2
1884.4	30°	1831.9	1767.0	1213.6	621.2	394.9	310.9	273.6	252.2	235.8	226.2
2073.4	32.5°	2013.6	1925.6	1229.9	607.6	363.3	278.7	239.8	216.6	204.2	201.4
2258.4	35°	2185.1	2068.9	1228.2	594.7	335.1	246.6	206.5	182.8	173.2	174.9
2457.6	37.5°	2382.6	2221.8	1216.4	574.3	312.0	217.2	177.7	156.8	148.4	148.9
2699.6	40°	2612.2	2398.4	1209.1	536.0	286.6	190.1	154.0	137.1	130.9	128.6
2954.7	42.5°	2857.1	2569.3	1210.2	492.5	255.0	165.9	137.7	123.6	117.9	116.2
3238.4	45°	3103.0	2732.4	1211.9	447.4	221.7	147.3	125.8	114.0	110.6	108.3
3526.2	47.5°	3334.4	2871.2	1180.3	398.9	189.0	133.1	116.2	108.3	105.5	102.7
3815.0	50°	3549.9	2963.7	1104.1	342.5	163.1	121.9	108.9	103.2	100.4	97.6
4076.8	52.5°	3717.4	2978.4	978.3	284.4	145.0	113.4	104.4	99.3	95.9	93.1
4288.4	55°	3791.9	2886.4	799.5	230.2	130.9	106.1	99.9	94.8	90.8	88.0
4454.8	57.5°	3772.7	2692.9	623.4	185.1	117.4	98.7	94.2	90.8	86.3	81.8
4589.7	60°	3678.5	2433.9	470.0	154.0	104.9	90.8	88.0	85.2	79.0	72.2
4641.6	62.5°	3515.5	2108.4	335.1	127.5	91.4	81.8	80.7	78.4	69.4	57.0
4564.9	65°	3266.1	1712.9	225.7	106.1	78.4	71.7	72.2	68.3	56.4	42.3
4283.9	67.5°	2901.6	1252.5	144.4	86.9	65.4	59.8	60.4	58.1	48.0	36.1
3751.3	70°	2437.3	829.4	94.2	66.0	52.5	46.3	49.6	50.2	40.6	29.3
2879.1	72.5°	1786.8	489.7	66.0	49.1	38.4	32.2	40.6	41.7	32.7	22.0
1732.1	75°	1018.4	232.4	49.6	35.5	23.7	22.6	31.6	31.6	22.6	14.7
749.8	77.5°	427.7	97.0	35.0	23.1	13.5	13.0	21.4	19.7	11.3	6.8
182.8	80°	123.6	43.4	18.6	11.3	5.6	5.1	8.5	6.2	2.8	1.1
69.4	82.5°	48.5	19.2	7.3	4.5	2.3	2.3	1.1	0.0	0.0	0.0
39.5	85°	28.8	7.9	3.4	1.7	0.6	0.0	0.0	0.0	0.0	0.0
8.5	87.5°	7.3	1.7	1.1	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°
978.9
972.1
930.3
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