

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: P846447

Luminaire Tested: **GLAN-SB2A-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846447
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-SB2A-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 5610 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

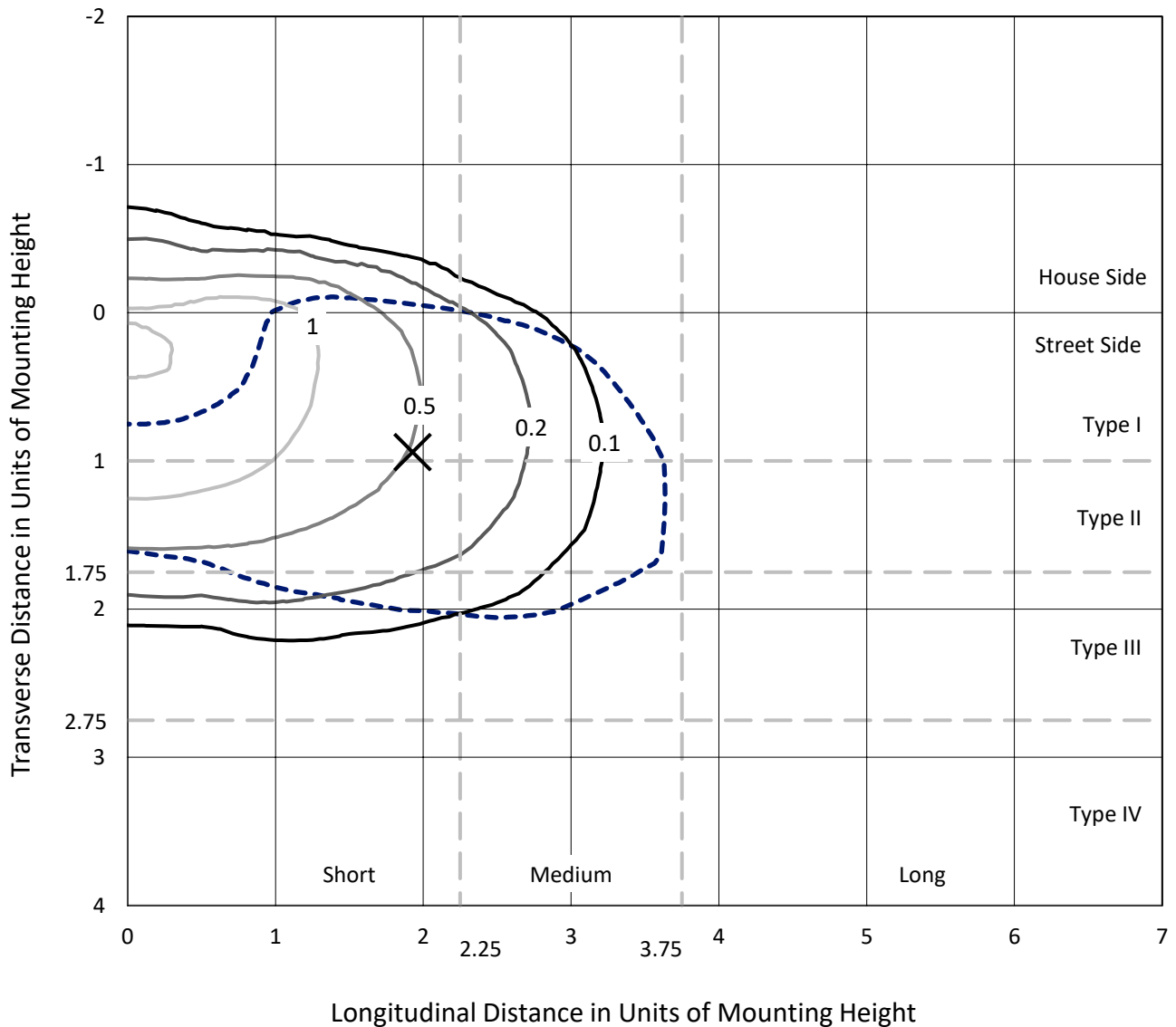
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

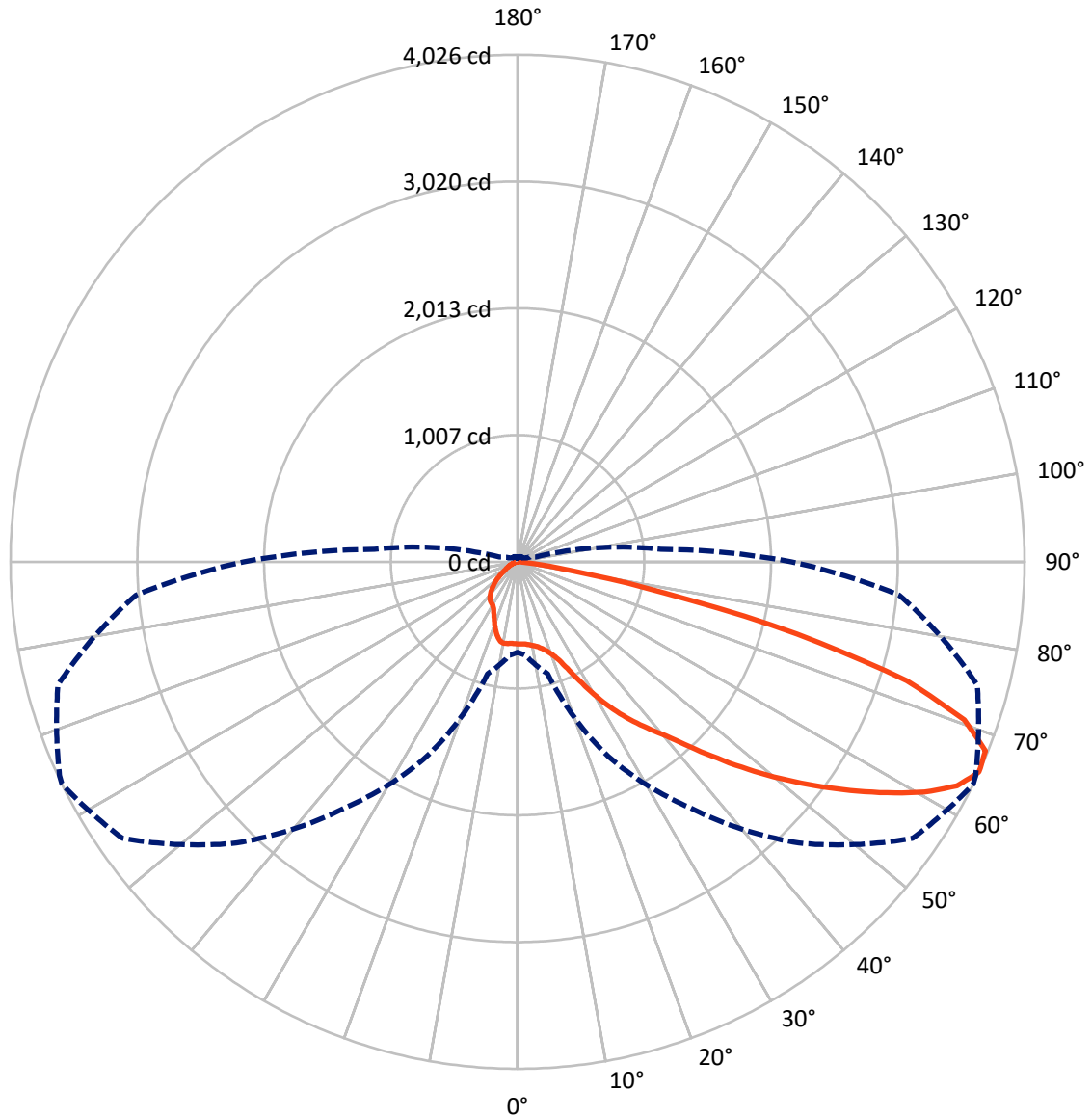
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	750.2	0.0	750.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	4859.8	0.0	4859.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	5610.0	0.0	5610.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	1.1
10°-20°	163.3	2.9
20°-30°	309.4	5.5
30°-40°	626.1	11.2
40°-50°	1066.5	19.0
50°-60°	1450.4	25.9
60°-70°	1362.0	24.3
70°-80°	545.7	9.7
80°-90°	26.4	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°	5610.0	100.0
0°-180°	5610.0	100.0

Coefficient of Utilization



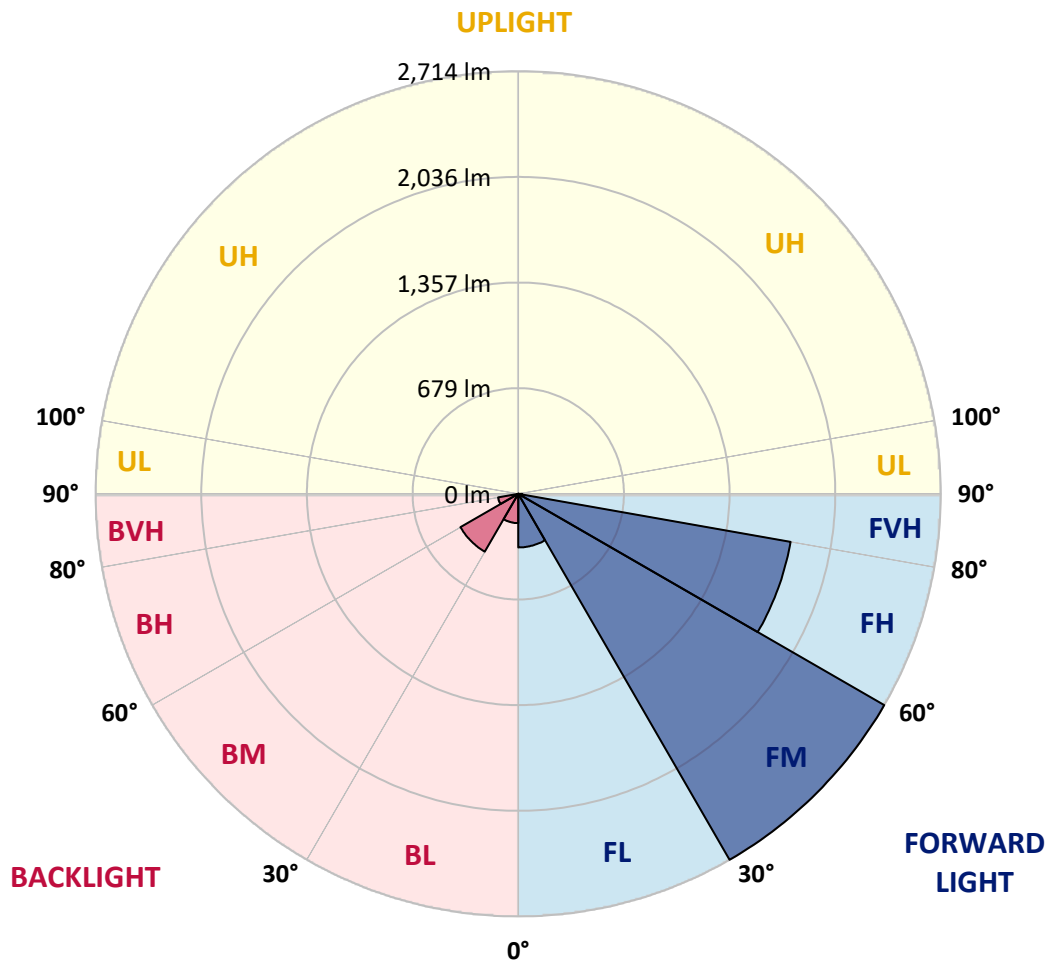
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.5	6.1			
FM (30°-60°)	2714.1	48.4			
FH (60°-80°)	1776.0	31.7			G1/1800
FVH (80°-90°)	25.1	0.4			G1/100
BL (0°-30°)	188.4	3.4	B1/500		
BM (30°-60°)	428.9	7.6	B1/1000		
BH (60°-80°)	131.7	2.3	B1/500		G1/500
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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5
2.5°	650.2	654.8	653.6	652.5	652.1	652.9	653.3	652.9	652.9	652.9
5°	637.8	641.6	641.6	644.2	648.0	652.5	655.9	656.6	657.4	658.5
7.5°	614.1	617.1	619.4	628.1	637.5	649.5	659.6	664.9	665.7	669.8
10°	598.0	601.7	605.5	614.5	628.1	646.1	663.4	676.2	678.1	687.9
12.5°	597.2	601.0	605.9	615.6	631.4	650.6	671.7	690.1	693.5	707.8
15°	605.1	609.6	614.1	626.2	643.1	666.4	689.0	711.9	715.3	735.6
17.5°	621.3	627.3	630.7	642.7	660.8	686.7	716.4	742.8	745.8	769.5
20°	653.3	660.4	661.5	671.3	689.0	716.8	752.2	784.9	788.6	815.7
22.5°	719.4	729.6	720.6	725.5	741.3	769.1	807.4	848.8	854.1	884.9
25°	836.0	850.3	827.0	818.7	825.5	854.5	902.6	954.9	960.9	985.7
27.5°	1065.1	1046.6	1011.3	976.7	956.4	972.9	1027.1	1091.8	1099.3	1123.4
30°	1316.7	1300.5	1252.7	1176.0	1127.9	1125.2	1175.3	1247.5	1256.1	1279.1
32.5°	1568.6	1553.2	1501.3	1406.9	1323.4	1282.1	1316.7	1396.8	1401.3	1415.9
35°	1816.5	1800.7	1748.8	1652.1	1549.5	1455.4	1448.7	1538.9	1540.4	1555.8
37.5°	2065.8	2052.7	1997.4	1902.6	1801.4	1671.7	1608.9	1673.6	1675.4	1690.5
40°	2243.7	2249.3	2211.4	2138.0	2051.1	1909.4	1788.6	1816.8	1805.6	1830.8
42.5°	2396.4	2407.7	2374.6	2337.7	2287.3	2162.5	2011.3	2006.4	1988.3	2001.9
45°	2528.4	2537.8	2508.1	2499.4	2498.3	2410.7	2254.6	2225.3	2200.1	2197.4
47.5°	2576.9	2595.0	2607.7	2636.7	2693.1	2656.3	2506.2	2460.7	2432.5	2411.8
50°	2595.3	2614.5	2658.1	2742.4	2875.9	2891.7	2756.7	2705.5	2670.9	2633.3
52.5°	2570.5	2604.7	2663.4	2805.2	2998.9	3080.5	2997.0	2952.2	2912.8	2851.4
55°	2424.2	2458.4	2578.4	2804.4	3060.2	3212.9	3224.1	3204.2	3159.8	3063.2
57.5°	2115.8	2166.6	2356.5	2708.9	3059.0	3326.8	3446.8	3461.1	3411.4	3273.0
60°	1688.6	1757.4	1989.1	2497.2	2964.6	3388.5	3642.0	3713.4	3660.8	3479.9
62.5°	1178.3	1258.0	1477.2	2165.5	2748.8	3344.1	3784.5	3916.5	3876.6	3664.9
65°	718.7	744.3	921.0	1704.0	2381.7	3158.3	3828.5	4026.3	4013.2	3778.1
67.5°	478.8	500.2	551.0	1168.5	1848.8	2787.1	3723.2	4007.1	4010.9	3759.7
70°	288.5	306.9	340.0	679.6	1198.2	2206.1	3397.1	3762.7	3784.5	3513.4
72.5°	118.8	131.3	161.3	308.0	620.5	1400.2	2705.2	3230.5	3281.3	2954.1
75°	67.3	73.7	94.8	154.6	269.3	652.5	1638.6	2293.3	2368.2	2036.1
77.5°	44.8	47.8	61.3	100.0	151.6	222.6	700.3	1194.8	1337.7	1112.1
80°	30.1	32.7	42.1	66.9	98.5	95.5	223.0	442.6	544.6	382.1
82.5°	20.3	20.7	30.1	44.0	62.4	46.3	65.8	137.6	173.0	110.6
85°	11.7	11.3	22.2	25.6	27.8	19.2	19.9	41.4	54.2	46.6
87.5°	1.5	2.3	8.6	6.8	3.8	4.1	4.1	7.1	10.5	11.3
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°
652.5	0°	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5	652.5
653.3	2.5°	653.3	652.9	651.7	650.6	648.0	646.5	647.2	646.5	646.1	646.5
658.1	5°	658.1	657.0	654.0	650.2	645.0	638.6	634.4	628.4	622.8	619.4
671.3	7.5°	671.3	670.2	666.0	655.5	638.6	611.9	587.4	566.0	549.8	540.4
692.4	10°	692.4	690.5	684.1	660.8	616.4	558.1	509.6	469.3	443.0	430.6
717.2	12.5°	717.2	714.9	703.6	655.9	574.3	483.3	416.3	371.6	347.1	336.2
745.8	15°	746.5	743.5	721.3	632.6	513.0	400.5	339.2	305.8	290.0	280.2
782.2	17.5°	783.0	777.7	734.5	597.6	446.4	337.3	291.8	266.6	252.7	243.3
830.0	20°	830.4	821.7	745.0	555.8	385.1	297.5	259.9	238.8	228.3	220.0
897.7	22.5°	896.6	884.2	757.8	510.7	341.9	270.0	236.2	220.8	212.1	202.7
992.1	25°	978.6	963.9	773.6	469.0	312.1	246.3	218.9	206.1	195.9	185.0
1115.8	27.5°	1093.3	1066.9	792.4	434.8	286.6	226.0	203.1	188.8	177.1	168.1
1256.1	30°	1221.1	1177.9	809.0	414.1	263.3	207.2	182.4	168.1	157.2	150.8
1382.1	32.5°	1342.2	1283.6	819.9	405.0	242.2	185.8	159.8	144.4	136.1	134.3
1505.5	35°	1456.6	1379.1	818.7	396.4	223.4	164.3	137.6	121.9	115.5	116.6
1638.2	37.5°	1588.2	1481.0	810.8	382.9	208.0	144.8	118.5	104.6	98.9	99.3
1799.5	40°	1741.3	1598.7	805.9	357.3	191.0	126.7	102.7	91.4	87.3	85.7
1969.5	42.5°	1904.5	1712.7	806.7	328.3	170.0	110.6	91.8	82.4	78.6	77.5
2158.7	45°	2068.4	1821.4	807.8	298.2	147.8	98.2	83.9	76.0	73.7	72.2
2350.5	47.5°	2222.6	1913.9	786.8	265.9	126.0	88.8	77.5	72.2	70.3	68.4
2543.1	50°	2366.3	1975.6	736.0	228.3	108.7	81.2	72.6	68.8	66.9	65.1
2717.6	52.5°	2478.0	1985.3	652.1	189.5	96.7	75.6	69.6	66.2	63.9	62.1
2858.6	55°	2527.6	1924.0	532.9	153.4	87.3	70.7	66.6	63.2	60.5	58.7
2969.5	57.5°	2514.9	1795.0	415.6	123.4	78.2	65.8	62.8	60.5	57.5	54.5
3059.4	60°	2452.1	1622.4	313.3	102.7	70.0	60.5	58.7	56.8	52.7	48.1
3094.0	62.5°	2343.4	1405.4	223.4	85.0	60.9	54.5	53.8	52.3	46.3	38.0
3042.9	65°	2177.1	1141.8	150.4	70.7	52.3	47.8	48.1	45.5	37.6	28.2
2855.6	67.5°	1934.2	834.9	96.3	57.9	43.6	39.9	40.2	38.7	32.0	24.1
2500.6	70°	1624.7	552.8	62.8	44.0	35.0	30.8	33.1	33.5	27.1	19.6
1919.1	72.5°	1191.0	326.4	44.0	32.7	25.6	21.4	27.1	27.8	21.8	14.7
1154.6	75°	678.8	154.9	33.1	23.7	15.8	15.0	21.1	21.1	15.0	9.8
499.8	77.5°	285.1	64.7	23.3	15.4	9.0	8.6	14.3	13.2	7.5	4.5
121.9	80°	82.4	29.0	12.4	7.5	3.8	3.4	5.6	4.1	1.9	0.8
46.3	82.5°	32.3	12.8	4.9	3.0	1.5	1.5	0.8	0.0	0.0	0.0
26.3	85°	19.2	5.3	2.3	1.1	0.4	0.0	0.0	0.0	0.0	0.0
5.6	87.5°	4.9	1.1	0.8	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°
652.5
648.0
620.2
540.8
429.5
335.1
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218.5
201.2
183.9
166.2
149.7
135.4
116.6
100.8
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