

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: P846487

Luminaire Tested: **GLAN-SB2A-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846487
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-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 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: 6041 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

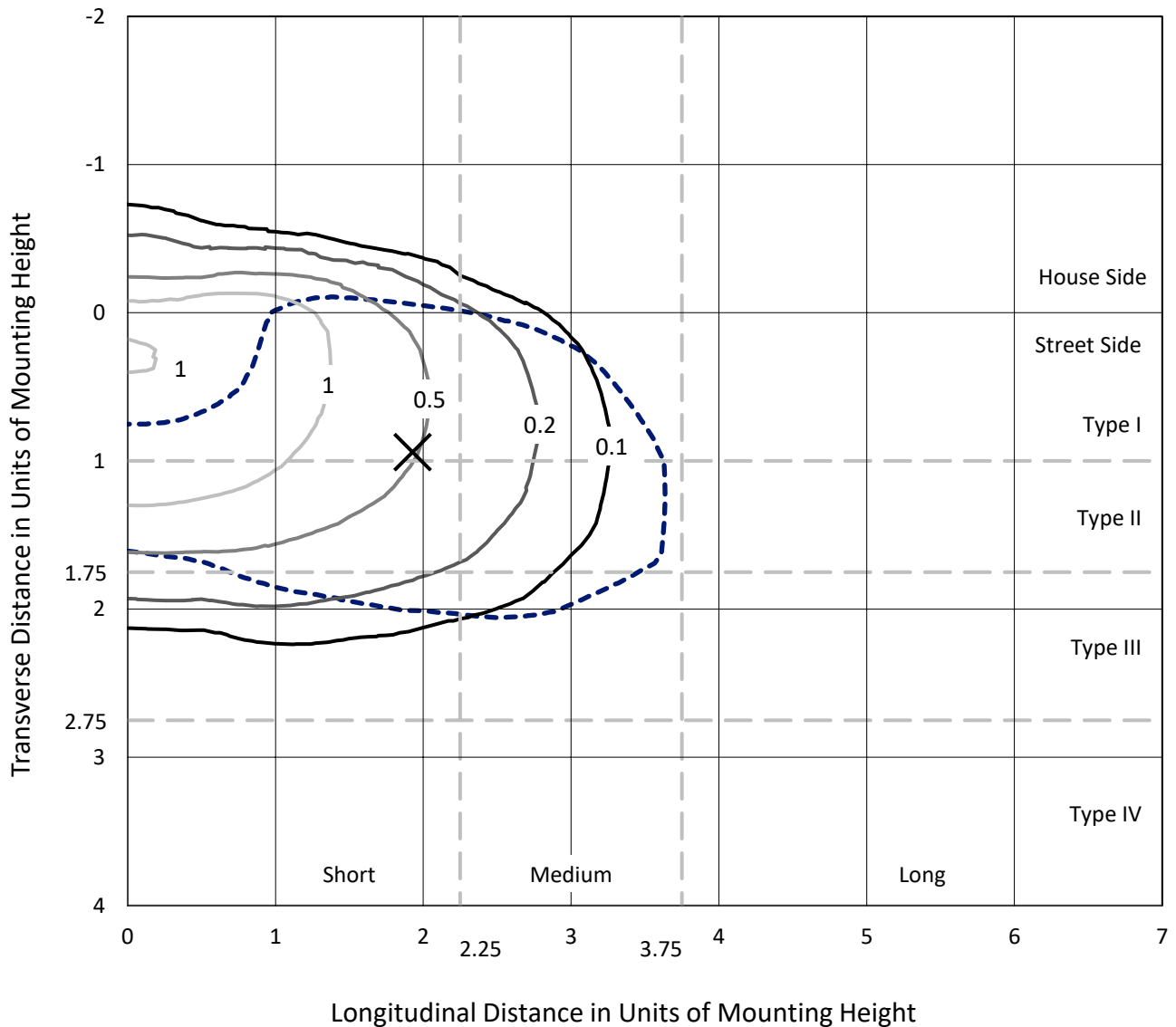
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

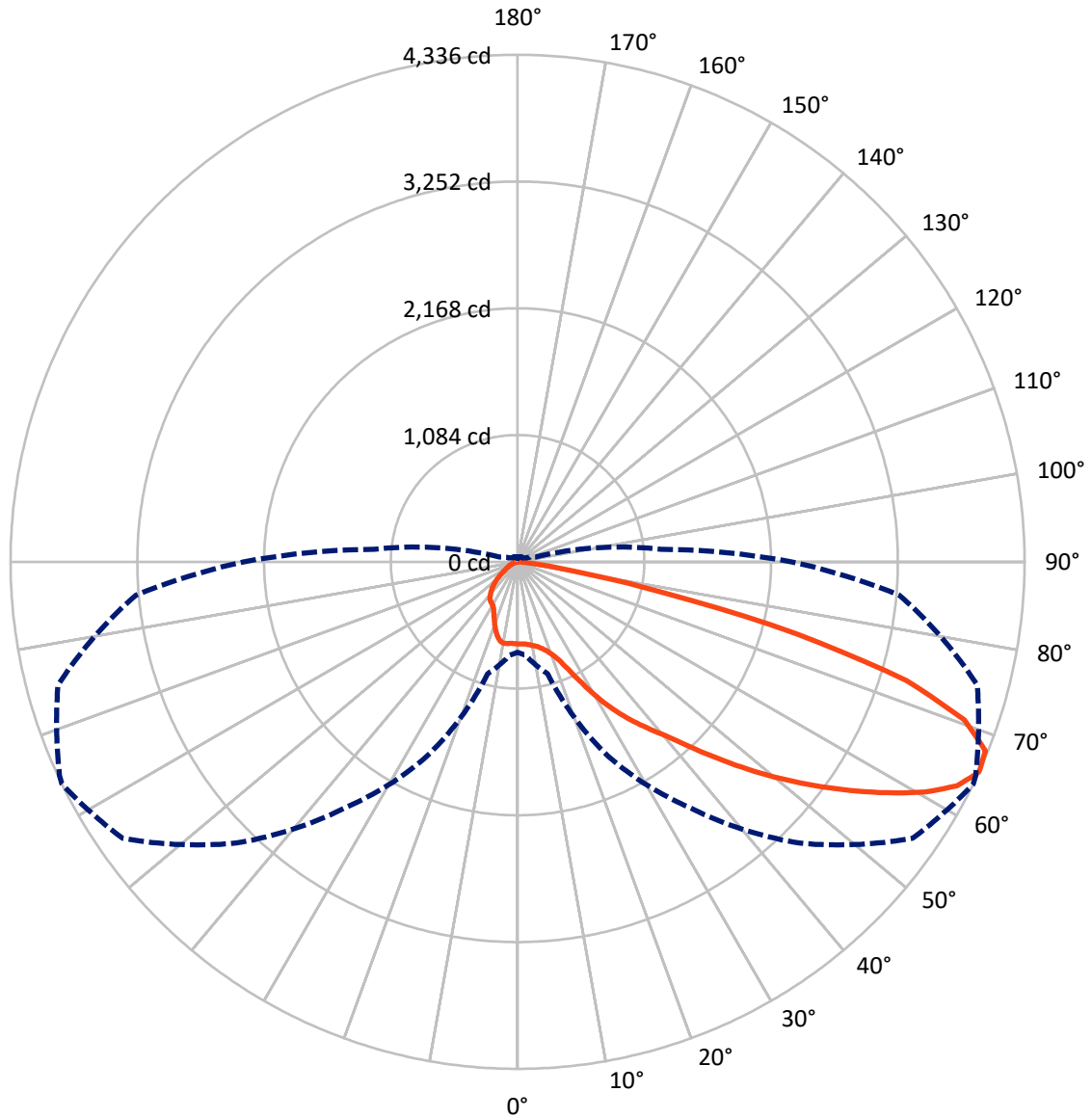
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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	807.9	0.0	807.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5233.1	0.0	5233.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	6041.0	0.0	6041.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	1.1
10°-20°	175.8	2.9
20°-30°	333.2	5.5
30°-40°	674.2	11.2
40°-50°	1148.5	19.0
50°-60°	1561.8	25.9
60°-70°	1466.6	24.3
70°-80°	587.6	9.7
80°-90°	28.5	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°	6041.0	100.0
0°-180°	6041.0	100.0

Coefficient of Utilization



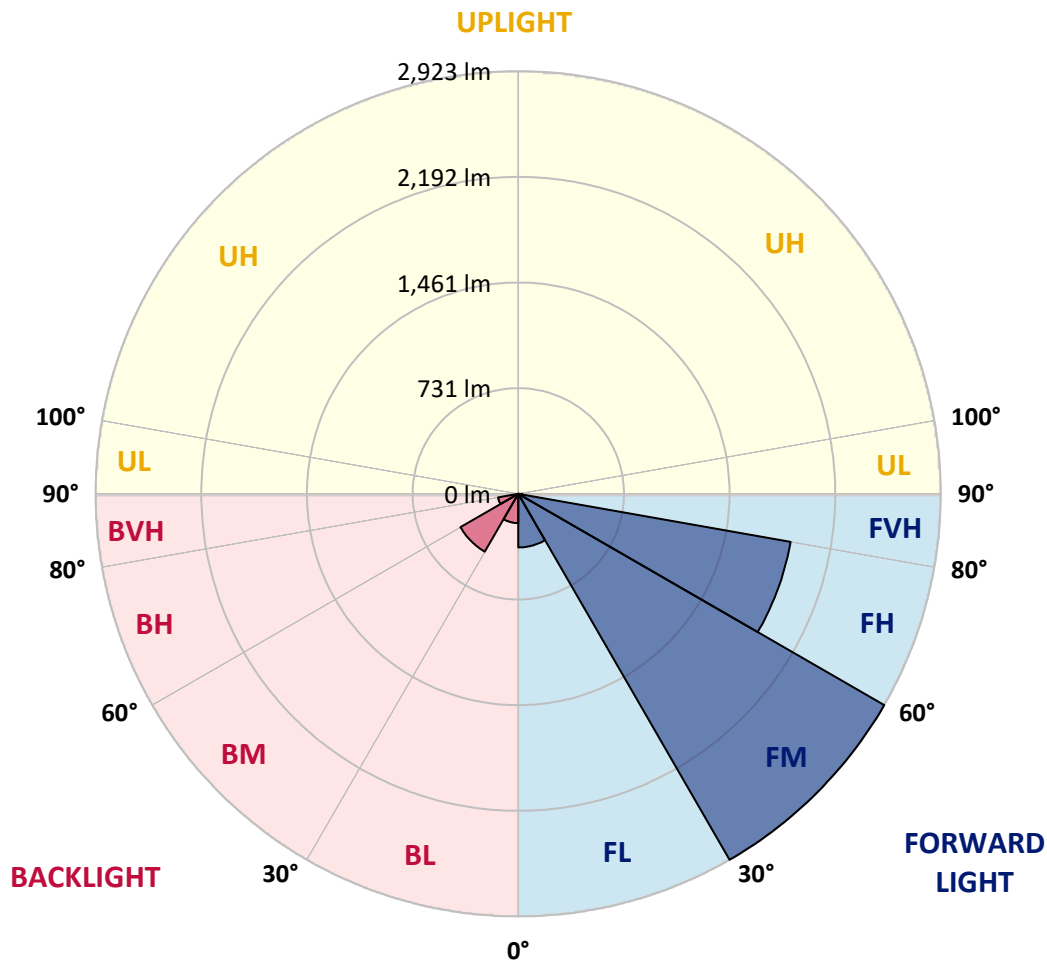
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	371.0	6.1			
FM (30°-60°)	2922.6	48.4			
FH (60°-80°)	1912.4	31.7			G2/5000
FVH (80°-90°)	27.1	0.4			G1/100
BL (0°-30°)	202.8	3.4	B1/500		
BM (30°-60°)	461.8	7.6	B1/1000		
BH (60°-80°)	141.8	2.3	B1/500		G1/500
BVH (80°-90°)	1.4	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°	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6
2.5°	700.2	705.1	703.8	702.6	702.2	703.0	703.4	703.0	703.0	703.0
5°	686.8	690.9	690.9	693.7	697.8	702.6	706.3	707.1	707.9	709.1
7.5°	661.3	664.6	667.0	676.3	686.4	699.4	710.3	716.0	716.8	721.3
10°	643.9	648.0	652.0	661.7	676.3	695.7	714.4	728.1	730.2	740.7
12.5°	643.1	647.1	652.4	662.9	680.0	700.6	723.3	743.1	746.8	762.2
15°	651.6	656.5	661.3	674.3	692.5	717.6	741.9	766.6	770.3	792.1
17.5°	669.0	675.5	679.1	692.1	711.5	739.5	771.5	799.8	803.1	828.6
20°	703.4	711.1	712.4	722.9	741.9	771.9	809.9	845.2	849.2	878.4
22.5°	774.7	785.7	775.9	781.2	798.2	828.2	869.5	914.0	919.7	952.9
25°	900.3	915.6	890.5	881.6	888.9	920.1	971.9	1028.2	1034.7	1061.4
27.5°	1146.9	1127.0	1089.0	1051.7	1029.9	1047.7	1106.0	1175.6	1183.7	1209.7
30°	1417.8	1400.4	1349.0	1266.4	1214.5	1211.7	1265.5	1343.3	1352.6	1377.3
32.5°	1689.1	1672.5	1616.7	1515.0	1425.1	1380.6	1417.8	1504.1	1508.9	1524.7
35°	1956.0	1939.0	1883.1	1779.1	1668.5	1567.3	1560.0	1657.2	1658.8	1675.4
37.5°	2224.5	2210.4	2150.8	2048.8	1939.8	1800.1	1732.5	1802.1	1804.2	1820.4
40°	2416.1	2422.2	2381.3	2302.3	2208.7	2056.1	1926.1	1956.4	1944.3	1971.4
42.5°	2580.5	2592.6	2557.0	2517.3	2463.1	2328.6	2165.8	2160.5	2141.1	2155.7
45°	2722.6	2732.8	2700.8	2691.5	2690.2	2595.9	2427.8	2396.2	2369.1	2366.3
47.5°	2774.9	2794.3	2808.1	2839.3	2900.0	2860.3	2698.8	2649.7	2619.4	2597.1
50°	2794.7	2815.4	2862.4	2953.1	3096.8	3113.9	2968.5	2913.4	2876.1	2835.6
52.5°	2768.0	2804.9	2868.0	3020.7	3229.3	3317.1	3227.2	3179.1	3136.5	3070.5
55°	2610.5	2647.3	2776.5	3019.9	3295.3	3459.7	3471.8	3450.4	3402.6	3298.5
57.5°	2278.4	2333.1	2537.6	2917.0	3294.1	3582.4	3711.6	3727.0	3673.5	3524.5
60°	1818.3	1892.4	2141.9	2689.0	3192.4	3648.8	3921.8	3998.7	3942.0	3747.2
62.5°	1268.8	1354.6	1590.7	2331.8	2960.0	3601.0	4075.3	4217.4	4174.5	3946.5
65°	773.9	801.4	991.8	1834.9	2564.7	3401.0	4122.6	4335.7	4321.5	4068.4
67.5°	515.5	538.6	593.3	1258.3	1990.9	3001.3	4009.2	4315.0	4319.1	4048.5
70°	310.6	330.5	366.1	731.8	1290.2	2375.6	3658.1	4051.8	4075.3	3783.3
72.5°	128.0	141.3	173.7	331.7	668.2	1507.7	2913.0	3478.7	3533.4	3181.1
75°	72.5	79.4	102.1	166.4	290.0	702.6	1764.5	2469.5	2550.1	2192.5
77.5°	48.2	51.4	66.0	107.7	163.2	239.7	754.1	1286.6	1440.5	1197.5
80°	32.4	35.2	45.4	72.1	106.1	102.9	240.1	476.7	586.4	411.5
82.5°	21.9	22.3	32.4	47.4	67.2	49.8	70.9	148.2	186.3	119.1
85°	12.6	12.1	23.9	27.5	30.0	20.7	21.5	44.5	58.3	50.2
87.5°	1.6	2.4	9.3	7.3	4.0	4.5	4.5	7.7	11.3	12.1
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°
702.6	0°	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6
703.4	2.5°	703.4	703.0	701.8	700.6	697.8	696.2	697.0	696.2	695.7	696.2
708.7	5°	708.7	707.5	704.3	700.2	694.5	687.6	683.2	676.7	670.6	667.0
722.9	7.5°	722.9	721.7	717.2	705.9	687.6	658.9	632.6	609.5	592.1	581.9
745.6	10°	745.6	743.5	736.6	711.5	663.8	601.0	548.7	505.4	477.1	463.7
772.3	12.5°	772.3	769.9	757.7	706.3	618.4	520.4	448.3	400.1	373.8	362.0
803.1	15°	803.9	800.6	776.7	681.2	552.4	431.3	365.3	329.2	312.2	301.7
842.3	17.5°	843.2	837.5	790.9	643.5	480.7	363.3	314.3	287.1	272.1	262.0
893.8	20°	894.2	884.9	802.3	598.6	414.7	320.3	279.8	257.2	245.8	236.9
966.7	22.5°	965.5	952.1	816.0	550.0	368.1	290.8	254.3	237.7	228.4	218.3
1068.3	25°	1053.7	1038.0	833.0	505.0	336.1	265.3	235.7	221.9	211.0	199.2
1201.6	27.5°	1177.3	1148.9	853.3	468.2	308.6	243.4	218.7	203.3	190.7	181.0
1352.6	30°	1315.0	1268.4	871.1	445.9	283.5	223.1	196.4	181.0	169.3	162.4
1488.3	32.5°	1445.4	1382.2	882.8	436.2	260.8	200.1	172.1	155.5	146.6	144.6
1621.1	35°	1568.5	1485.0	881.6	426.8	240.6	177.0	148.2	131.2	124.3	125.5
1764.1	37.5°	1710.2	1594.8	873.1	412.3	224.0	155.9	127.6	112.6	106.5	106.9
1937.8	40°	1875.0	1721.5	867.9	384.7	205.7	136.5	110.6	98.4	94.0	92.3
2120.9	42.5°	2050.8	1844.3	868.7	353.5	183.0	119.1	98.8	88.7	84.6	83.4
2324.6	45°	2227.4	1961.3	869.9	321.1	159.2	105.7	90.3	81.8	79.4	77.8
2531.1	47.5°	2393.4	2060.9	847.2	286.3	135.7	95.6	83.4	77.8	75.7	73.7
2738.4	50°	2548.1	2127.3	792.5	245.8	117.0	87.5	78.2	74.1	72.1	70.1
2926.3	52.5°	2668.4	2137.9	702.2	204.1	104.1	81.4	74.9	71.3	68.8	66.8
3078.2	55°	2721.8	2071.9	573.8	165.2	94.0	76.1	71.7	68.0	65.2	63.2
3197.7	57.5°	2708.1	1932.9	447.5	132.8	84.2	70.9	67.6	65.2	62.0	58.7
3294.5	60°	2640.4	1747.1	337.3	110.6	75.3	65.2	63.2	61.2	56.7	51.8
3331.7	62.5°	2523.4	1513.4	240.6	91.5	65.6	58.7	57.9	56.3	49.8	40.9
3276.6	65°	2344.4	1229.5	162.0	76.1	56.3	51.4	51.8	49.0	40.5	30.4
3075.0	67.5°	2082.8	899.0	103.7	62.4	47.0	42.9	43.3	41.7	34.4	25.9
2692.7	70°	1749.5	595.3	67.6	47.4	37.7	33.2	35.6	36.0	29.2	21.1
2066.6	72.5°	1282.6	351.5	47.4	35.2	27.5	23.1	29.2	30.0	23.5	15.8
1243.3	75°	731.0	166.8	35.6	25.5	17.0	16.2	22.7	22.7	16.2	10.5
538.2	77.5°	307.0	69.7	25.1	16.6	9.7	9.3	15.4	14.2	8.1	4.9
131.2	80°	88.7	31.2	13.4	8.1	4.0	3.6	6.1	4.5	2.0	0.8
49.8	82.5°	34.8	13.8	5.3	3.2	1.6	1.6	0.8	0.0	0.0	0.0
28.3	85°	20.7	5.7	2.4	1.2	0.4	0.0	0.0	0.0	0.0	0.0
6.1	87.5°	5.3	1.2	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°
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702.6
697.8
667.8
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179.0
161.2
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125.5
108.5
91.9
83.0
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