

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: P852170

Luminaire Tested: **GLAN-SB1D-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852170
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-SB1D-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6854 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

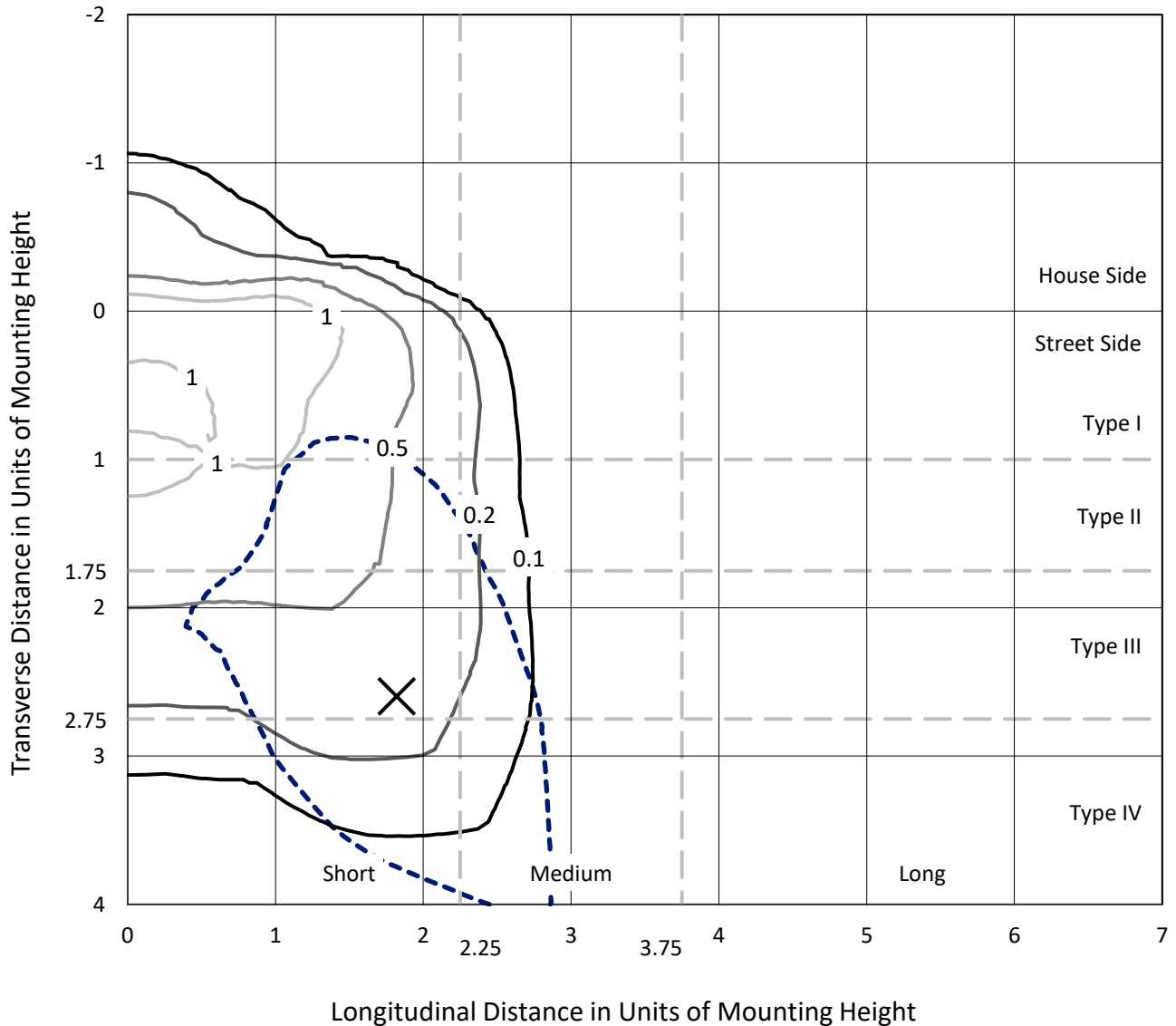
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

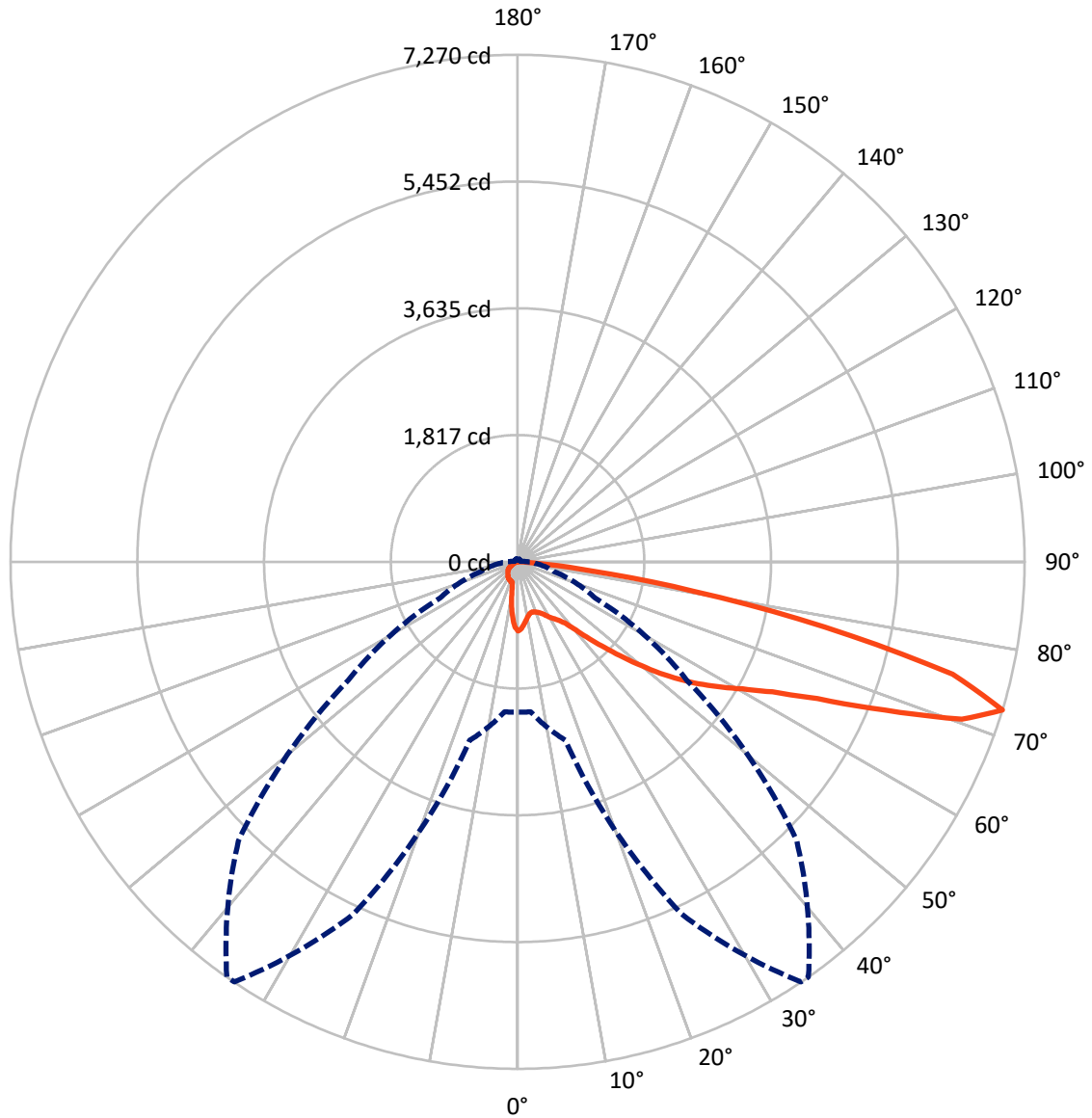
× Max cd
 - - - 1/2 Max cd



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	771.4	0.0	771.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	6082.6	0.0	6082.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	6854.0	0.0	6854.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	1.2
10°-20°	191.0	2.8
20°-30°	310.2	4.5
30°-40°	517.6	7.6
40°-50°	979.3	14.3
50°-60°	1556.1	22.7
60°-70°	1925.0	28.1
70°-80°	1196.6	17.5
80°-90°	96.7	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°	6854.0	100.0
0°-180°	6854.0	100.0

Coefficient of Utilization



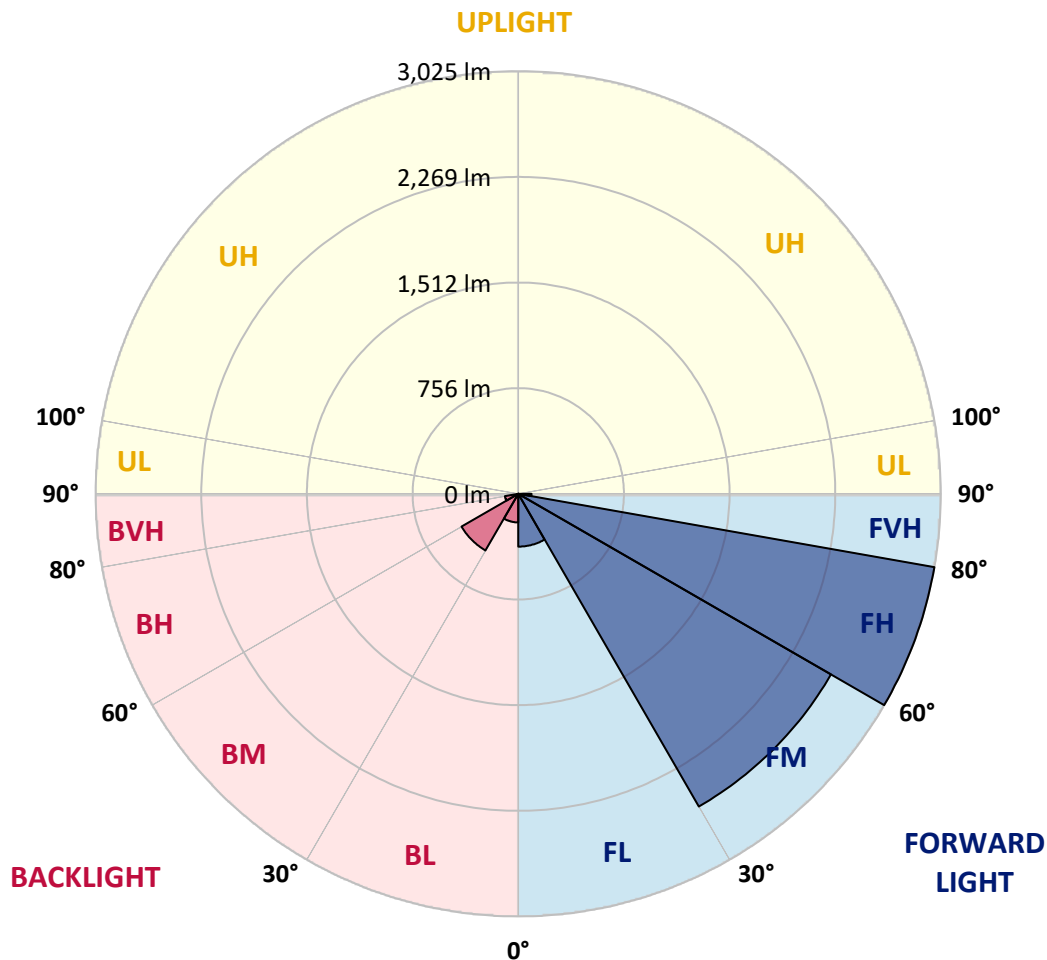
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	377.8	5.5			
FM (30°-60°)	2584.6	37.7			
FH (60°-80°)	3024.8	44.1			G2/5000
FVH (80°-90°)	95.4	1.4			G1/100
BL (0°-30°)	205.0	3.0	B1/500		
BM (30°-60°)	468.3	6.8	B1/1000		
BH (60°-80°)	96.8	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°	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4
2.5°	949.2	957.2	958.7	961.2	961.2	964.2	969.3	976.3	987.9	993.9
5°	874.9	880.9	888.4	894.4	906.0	907.5	927.1	946.2	972.8	992.9
7.5°	800.0	807.1	817.1	831.7	846.7	851.2	880.9	913.0	955.2	992.9
10°	747.3	747.8	756.8	771.4	795.5	801.0	837.2	882.9	935.6	986.8
12.5°	717.7	721.2	725.2	736.2	759.3	762.9	801.5	855.3	916.0	983.3
15°	717.7	720.2	722.7	728.2	746.8	749.8	784.0	837.7	906.0	984.8
17.5°	725.2	729.2	727.2	733.7	753.3	755.3	785.5	832.7	905.5	994.4
20°	743.3	746.3	742.3	746.3	765.9	769.9	801.0	842.2	914.0	1011.0
22.5°	771.9	773.4	763.9	766.9	787.0	792.0	828.1	869.3	934.6	1037.6
25°	808.1	811.1	796.5	800.0	819.1	825.1	866.8	910.0	967.3	1074.2
27.5°	849.7	851.2	838.7	838.2	862.8	871.3	913.5	960.2	1011.0	1120.4
30°	897.5	902.0	889.9	887.9	919.0	926.1	967.8	1022.0	1075.2	1189.7
32.5°	935.1	938.6	931.6	936.6	968.3	973.8	1033.6	1109.4	1176.2	1288.2
35°	989.4	991.4	975.3	984.3	1020.5	1034.6	1123.4	1231.9	1303.2	1411.7
37.5°	1185.7	1185.7	1117.4	1072.7	1107.4	1119.9	1246.5	1386.1	1459.9	1577.4
40°	1457.4	1452.9	1353.0	1261.6	1257.0	1281.6	1421.8	1580.5	1662.3	1776.3
42.5°	1747.2	1740.2	1604.1	1513.7	1498.6	1507.1	1624.2	1820.0	1903.4	2018.9
45°	2004.3	2002.3	1877.8	1756.2	1729.1	1756.2	1876.8	2100.2	2160.0	2281.5
47.5°	2219.8	2219.8	2128.9	2049.5	2035.5	2051.5	2218.8	2411.1	2405.6	2561.3
50°	2467.9	2465.9	2379.5	2345.3	2359.9	2382.5	2612.5	2738.6	2659.7	2836.0
52.5°	2641.6	2653.7	2624.1	2618.5	2692.9	2732.0	3012.3	3059.0	2887.2	3096.6
55°	2779.2	2793.3	2827.5	2866.1	3009.3	3060.5	3399.5	3362.8	3077.6	3322.6
57.5°	2974.1	2954.0	3006.7	3083.1	3314.6	3376.4	3774.6	3649.6	3230.7	3505.9
60°	3210.6	3213.7	3222.7	3319.1	3619.4	3698.8	4144.2	3920.8	3329.2	3618.4
62.5°	3494.9	3499.4	3518.0	3666.1	4028.7	4103.6	4538.0	4142.7	3374.4	3586.8
65°	3475.3	3494.4	3701.8	4208.5	4651.0	4724.8	4997.5	4298.4	3306.1	3297.5
67.5°	3165.9	3197.1	3544.1	4856.4	5589.1	5671.5	5553.0	4329.1	3011.3	2564.3
70°	2760.2	2771.2	3188.5	5439.0	6675.4	6758.8	6050.1	3992.1	2285.1	1430.3
72.5°	2155.5	2158.0	2647.7	5574.0	7265.0	7269.5	5659.9	2963.6	1228.9	549.4
75°	1539.8	1524.7	1773.3	4520.4	6391.6	6442.9	4243.2	1390.1	469.6	259.6
77.5°	825.6	842.2	1003.4	2680.8	4415.4	4502.8	2315.2	400.8	239.1	176.8
80°	255.1	269.2	411.3	1227.4	2501.0	2553.7	858.3	178.3	166.7	126.1
82.5°	80.4	83.4	191.8	515.8	1038.1	1062.2	248.6	100.9	114.0	83.4
85°	23.1	23.6	85.4	192.3	256.6	261.7	69.8	39.2	65.3	51.7
87.5°	2.5	8.0	32.1	32.1	22.6	22.1	7.5	8.5	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°
993.4	0°	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4	993.4
997.9	2.5°	995.4	995.9	989.4	978.3	966.3	956.2	943.7	933.6	926.6	924.6
1006.9	5°	1002.4	998.9	980.3	946.7	906.5	871.8	833.2	802.5	782.4	773.9
1016.5	7.5°	1013.0	1002.9	962.2	895.9	819.1	750.8	681.5	627.8	593.6	576.5
1025.5	10°	1022.0	1001.9	932.1	822.6	705.1	601.6	508.2	443.5	407.3	390.2
1036.1	12.5°	1030.5	1001.4	892.9	735.7	576.5	450.0	363.1	331.0	320.9	317.4
1053.1	15°	1046.6	1002.9	843.7	636.3	448.5	340.0	308.4	307.9	309.9	308.9
1079.3	17.5°	1068.7	1004.4	788.0	530.8	346.0	299.8	298.3	302.8	305.8	304.3
1111.9	20°	1097.3	1010.4	728.7	426.4	297.3	289.8	293.3	297.3	299.8	297.3
1155.6	22.5°	1137.5	1021.0	663.9	342.5	281.7	283.7	286.8	291.3	293.8	290.3
1211.3	25°	1186.7	1037.6	600.1	297.8	274.2	276.7	281.2	286.3	289.3	285.8
1281.6	27.5°	1250.5	1064.2	541.4	287.8	266.7	268.2	274.7	282.2	286.3	281.7
1381.6	30°	1342.9	1107.9	490.7	292.3	262.2	258.6	267.7	278.2	282.7	278.7
1517.7	32.5°	1465.5	1169.7	459.5	299.3	260.1	247.6	256.1	269.7	277.2	274.7
1695.5	35°	1626.2	1263.6	447.5	307.4	258.6	236.0	242.1	256.6	269.7	272.2
1919.5	37.5°	1821.0	1394.1	451.0	310.9	254.1	226.5	229.5	242.1	259.1	267.2
2171.6	40°	2042.5	1546.3	471.1	307.4	249.1	218.5	219.0	228.5	243.6	255.6
2442.8	42.5°	2271.0	1724.1	508.2	294.3	244.6	211.4	209.9	216.5	226.5	235.0
2713.4	45°	2488.5	1906.9	544.9	276.2	239.1	204.4	200.9	203.4	205.4	208.9
2977.1	47.5°	2678.3	2035.5	534.4	259.6	231.5	196.4	190.3	189.3	183.3	182.8
3212.6	50°	2809.4	2063.6	474.6	243.1	220.5	187.3	177.8	171.8	161.2	156.2
3388.9	52.5°	2851.1	1952.6	387.7	226.5	202.4	175.3	161.7	152.2	139.1	134.6
3490.4	55°	2795.8	1735.1	309.9	206.4	177.3	159.2	144.1	131.6	121.0	115.5
3501.4	57.5°	2660.7	1458.4	245.1	182.8	150.7	141.1	126.1	113.5	104.5	98.9
3378.9	60°	2436.7	1158.1	193.9	154.7	128.6	121.5	106.0	97.9	89.9	83.4
3062.5	62.5°	2096.7	826.6	152.2	122.5	107.5	99.4	90.4	84.4	74.8	65.8
2493.5	65°	1636.2	505.7	117.5	89.9	86.4	82.4	76.8	71.3	59.8	50.7
1626.7	67.5°	1032.0	239.6	83.9	67.8	68.3	66.3	63.8	59.3	50.7	42.7
728.7	70°	454.5	116.0	55.2	51.7	50.7	50.7	52.7	51.2	43.2	35.7
253.1	72.5°	154.7	62.3	41.2	39.2	36.7	36.2	44.2	42.7	34.7	27.6
126.1	75°	80.9	41.7	30.1	28.1	22.1	26.6	35.2	33.1	24.6	18.1
83.4	77.5°	52.7	29.6	20.6	18.1	12.6	17.6	26.1	23.1	14.6	9.0
54.7	80°	33.1	19.6	12.1	8.5	6.0	9.5	14.1	10.0	5.5	2.0
32.1	82.5°	17.6	10.0	4.5	3.0	2.5	3.0	3.5	2.5	1.0	0.0
16.6	85°	7.0	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°
993.4
928.1
776.9
579.0
390.7
316.4
308.4
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296.8
289.8
285.3
281.7
278.2
274.7
272.2
269.2
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238.6
210.9
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156.7
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