

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: P852344

Luminaire Tested: **GLAN-SB3A-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852344
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-SB3A-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 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: 6562 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

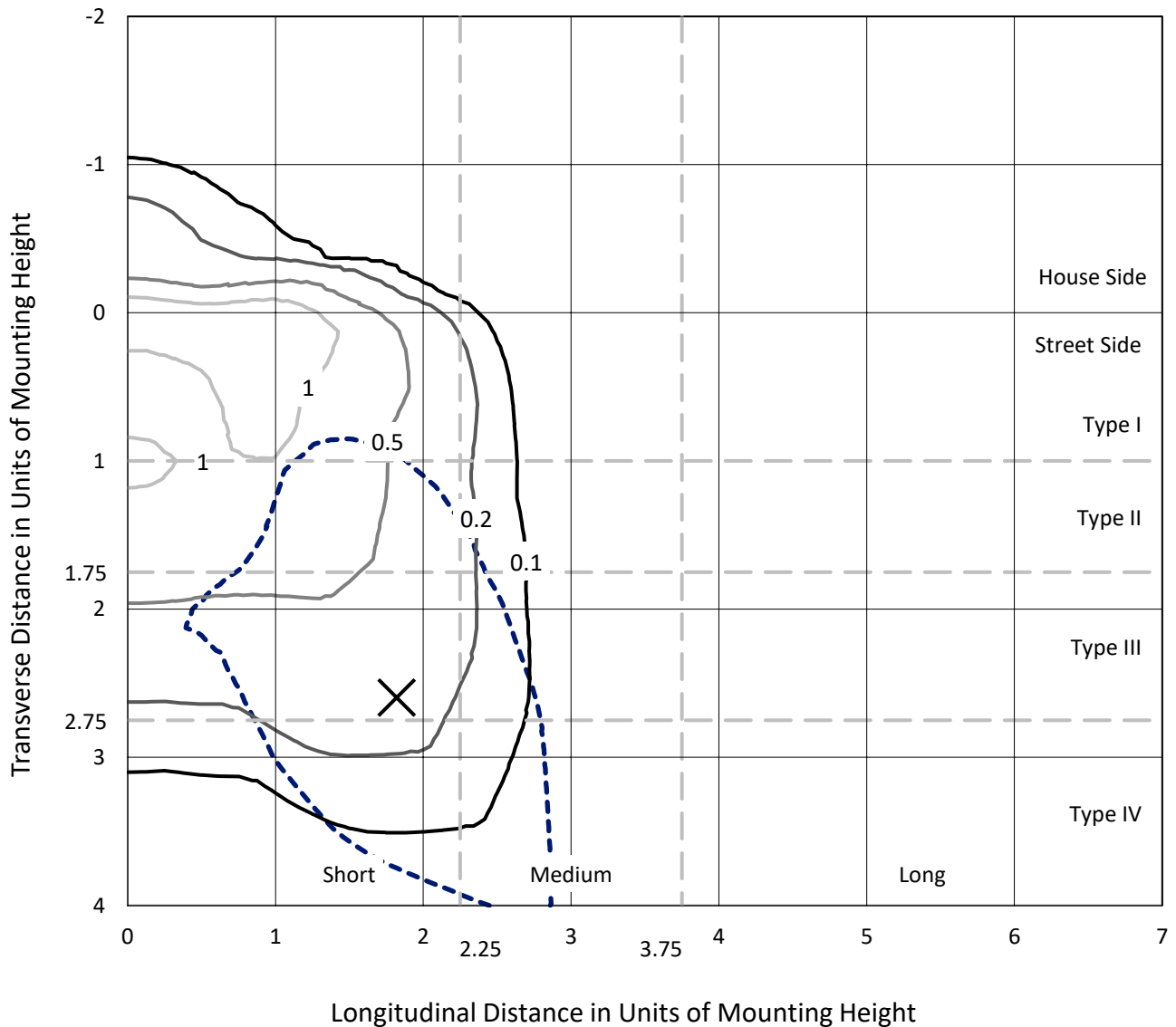
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

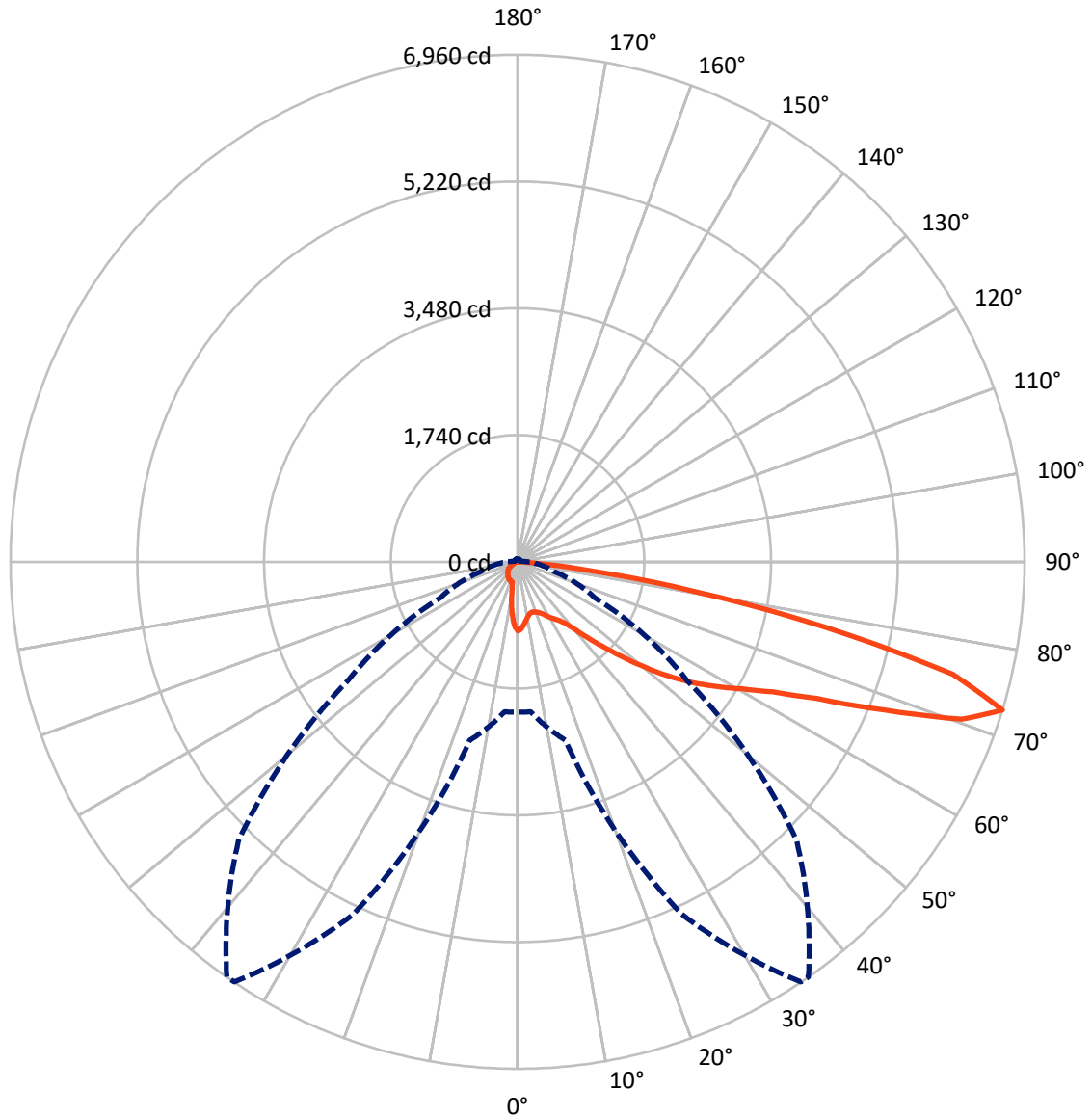
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	738.5	0.0	738.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	5823.5	0.0	5823.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	6562.0	0.0	6562.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	1.2
10°-20°	182.8	2.8
20°-30°	297.0	4.5
30°-40°	495.5	7.6
40°-50°	937.6	14.3
50°-60°	1489.8	22.7
60°-70°	1843.0	28.1
70°-80°	1145.6	17.5
80°-90°	92.6	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°	6562.0	100.0
0°-180°	6562.0	100.0

Coefficient of Utilization



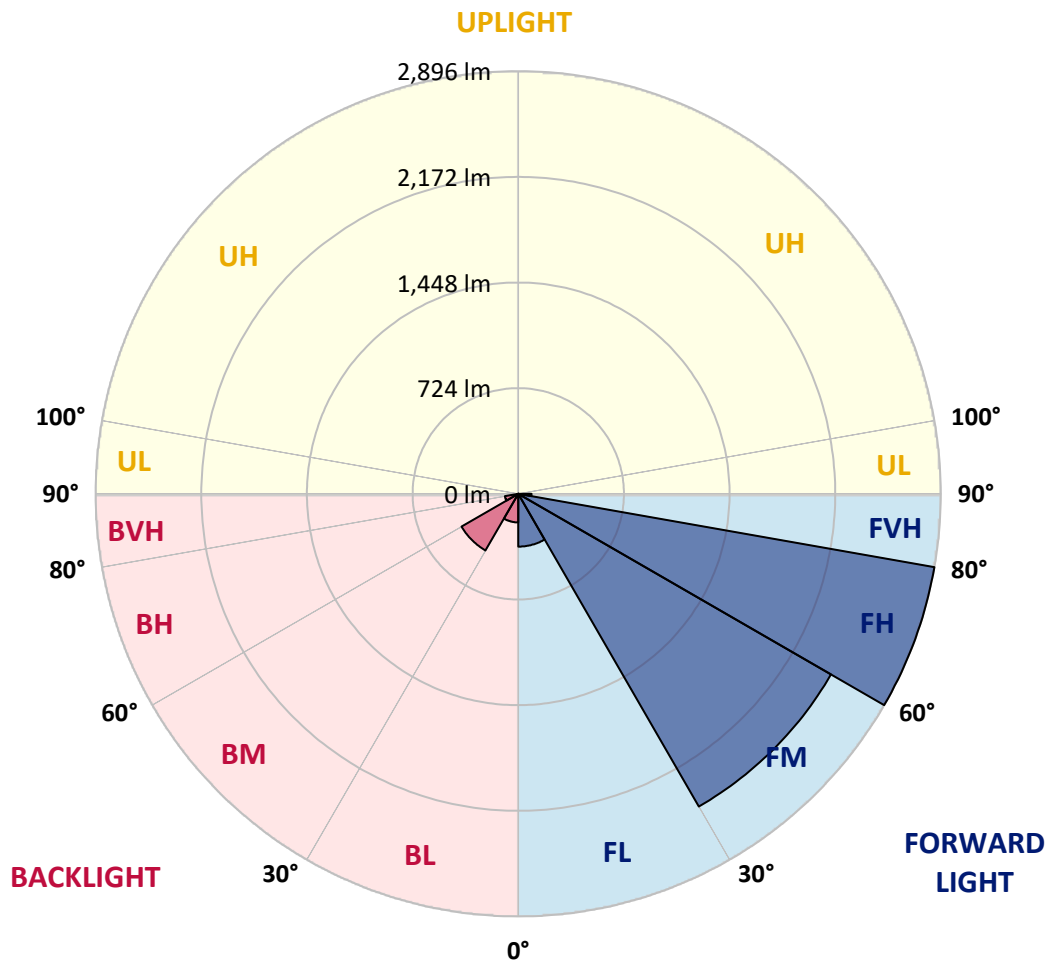
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	361.7	5.5			
FM (30°-60°)	2474.5	37.7			
FH (60°-80°)	2895.9	44.1			G2/5000
FVH (80°-90°)	91.3	1.4			G1/100
BL (0°-30°)	196.2	3.0	B1/500		
BM (30°-60°)	448.3	6.8	B1/1000		
BH (60°-80°)	92.7	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°	951.1	951.1	951.1	951.1	951.1	951.1	951.1	951.1	951.1	951.1
2.5°	908.7	916.4	917.9	920.3	920.3	923.2	928.0	934.7	945.8	951.5
5°	837.6	843.4	850.6	856.3	867.4	868.8	887.6	905.9	931.3	950.6
7.5°	765.9	772.7	782.3	796.2	810.7	815.0	843.4	874.1	914.5	950.6
10°	715.5	715.9	724.6	738.5	761.6	766.9	801.5	845.3	895.8	944.8
12.5°	687.1	690.5	694.3	704.9	727.0	730.4	767.4	818.8	877.0	941.4
15°	687.1	689.5	691.9	697.2	715.0	717.9	750.6	802.0	867.4	942.9
17.5°	694.3	698.1	696.2	702.5	721.2	723.1	752.0	797.2	866.9	952.0
20°	711.6	714.5	710.6	714.5	733.2	737.1	766.9	806.3	875.1	967.9
22.5°	739.0	740.5	731.3	734.2	753.4	758.2	792.9	832.3	894.8	993.4
25°	773.6	776.5	762.6	765.9	784.2	790.0	829.9	871.2	926.1	1028.5
27.5°	813.5	815.0	803.0	802.5	826.0	834.2	874.6	919.3	967.9	1072.7
30°	859.2	863.5	852.0	850.1	879.9	886.6	926.5	978.5	1029.4	1139.1
32.5°	895.3	898.6	891.9	896.7	927.0	932.3	989.5	1062.1	1126.1	1233.3
35°	947.2	949.1	933.7	942.4	977.0	990.5	1075.6	1179.4	1247.7	1351.6
37.5°	1135.2	1135.2	1069.8	1027.0	1060.2	1072.2	1193.4	1327.1	1397.7	1510.2
40°	1395.3	1391.0	1295.3	1207.8	1203.5	1227.0	1361.2	1513.1	1591.5	1700.6
42.5°	1672.8	1666.0	1535.7	1449.2	1434.8	1442.9	1555.0	1742.5	1822.3	1932.9
45°	1918.9	1917.0	1797.8	1681.4	1655.4	1681.4	1796.8	2010.8	2068.0	2184.3
47.5°	2125.2	2125.2	2038.2	1962.2	1948.7	1964.1	2124.2	2308.4	2303.1	2452.2
50°	2362.7	2360.8	2278.1	2245.4	2259.4	2281.0	2501.2	2621.9	2546.4	2715.2
52.5°	2529.1	2540.6	2512.3	2507.0	2578.1	2615.6	2883.9	2928.6	2764.2	2964.7
55°	2660.8	2674.3	2707.0	2744.0	2881.0	2930.1	3254.6	3219.5	2946.4	3181.1
57.5°	2847.4	2828.2	2878.6	2951.7	3173.4	3232.5	3613.8	3494.1	3093.1	3356.6
60°	3073.9	3076.7	3085.4	3177.7	3465.2	3541.2	3967.7	3753.7	3187.3	3464.3
62.5°	3346.0	3350.3	3368.1	3510.0	3857.1	3928.7	4344.7	3966.3	3230.6	3434.0
65°	3327.2	3345.5	3544.1	4029.2	4452.8	4523.5	4784.6	4115.3	3165.2	3157.0
67.5°	3031.1	3060.9	3393.1	4649.5	5351.0	5429.9	5316.4	4144.6	2883.0	2455.0
70°	2642.6	2653.1	3052.7	5207.2	6391.0	6470.8	5792.4	3822.0	2187.7	1369.4
72.5°	2063.7	2066.1	2534.9	5336.6	6955.5	6959.8	5418.8	2837.3	1176.6	526.0
75°	1474.2	1459.8	1697.8	4327.8	6119.3	6168.4	4062.4	1330.9	449.6	248.6
77.5°	790.5	806.3	960.7	2566.6	4227.3	4311.0	2216.6	383.7	228.9	169.2
80°	244.3	257.7	393.8	1175.1	2394.5	2444.9	821.7	170.7	159.6	120.7
82.5°	76.9	79.8	183.7	493.8	993.8	1016.9	238.0	96.6	109.1	79.8
85°	22.1	22.6	81.7	184.2	245.7	250.5	66.8	37.5	62.5	49.5
87.5°	2.4	7.7	30.8	30.8	21.6	21.2	7.2	8.2	17.8	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°
951.1	0°	951.1	951.1	951.1	951.1	951.1	951.1	951.1	951.1	951.1	951.1
955.4	2.5°	953.0	953.5	947.2	936.6	925.1	915.5	903.5	893.8	887.1	885.2
964.0	5°	959.7	956.3	938.6	906.3	867.9	834.7	797.7	768.3	749.1	740.9
973.2	7.5°	969.8	960.2	921.2	857.8	784.2	718.8	652.5	601.0	568.3	552.0
981.8	10°	978.5	959.2	892.4	787.6	675.1	576.0	486.6	424.6	389.9	373.6
991.9	12.5°	986.6	958.7	854.9	704.4	552.0	430.8	347.6	316.9	307.2	303.9
1008.3	15°	1002.0	960.2	807.8	609.2	429.4	325.5	295.2	294.7	296.7	295.7
1033.3	17.5°	1023.2	961.6	754.4	508.2	331.3	287.0	285.6	289.9	292.8	291.4
1064.5	20°	1050.6	967.4	697.7	408.2	284.6	277.4	280.8	284.6	287.0	284.6
1106.4	22.5°	1089.0	977.5	635.6	327.9	269.7	271.7	274.5	278.9	281.3	277.9
1159.7	25°	1136.2	993.4	574.6	285.1	262.5	264.9	269.3	274.1	276.9	273.6
1227.0	27.5°	1197.2	1018.8	518.3	275.5	255.3	256.8	263.0	270.2	274.1	269.7
1322.7	30°	1285.7	1060.7	469.8	279.8	251.0	247.6	256.3	266.4	270.7	266.9
1453.0	32.5°	1403.0	1119.8	439.9	286.6	249.1	237.0	245.2	258.2	265.4	263.0
1623.2	35°	1556.9	1209.7	428.4	294.3	247.6	226.0	231.8	245.7	258.2	260.6
1837.7	37.5°	1743.4	1334.7	431.8	297.6	243.3	216.8	219.7	231.8	248.1	255.8
2079.0	40°	1955.5	1480.4	451.0	294.3	238.5	209.2	209.6	218.8	233.2	244.7
2338.7	42.5°	2174.2	1650.6	486.6	281.8	234.2	202.4	201.0	207.2	216.8	225.0
2597.8	45°	2382.4	1825.7	521.7	264.4	228.9	195.7	192.3	194.7	196.7	200.0
2850.3	47.5°	2564.2	1948.7	511.6	248.6	221.7	188.0	182.2	181.3	175.5	175.0
3075.8	50°	2689.7	1975.7	454.4	232.7	211.1	179.3	170.2	164.4	154.3	149.5
3244.5	52.5°	2729.6	1869.4	371.2	216.8	193.8	167.8	154.8	145.7	133.2	128.9
3341.7	55°	2676.7	1661.2	296.7	197.6	169.7	152.4	138.0	126.0	115.9	110.6
3352.2	57.5°	2547.4	1396.3	234.6	175.0	144.2	135.1	120.7	108.7	100.0	94.7
3234.9	60°	2332.9	1108.8	185.6	148.1	123.1	116.4	101.5	93.8	86.1	79.8
2932.0	62.5°	2007.4	791.4	145.7	117.3	102.9	95.2	86.5	80.8	71.6	63.0
2387.3	65°	1566.5	484.2	112.5	86.1	82.7	78.9	73.6	68.3	57.2	48.6
1557.4	67.5°	988.1	229.3	80.3	64.9	65.4	63.5	61.1	56.7	48.6	40.9
697.7	70°	435.1	111.1	52.9	49.5	48.6	48.6	50.5	49.0	41.4	34.1
242.3	72.5°	148.1	59.6	39.4	37.5	35.1	34.6	42.3	40.9	33.2	26.4
120.7	75°	77.4	39.9	28.8	26.9	21.2	25.5	33.7	31.7	23.6	17.3
79.8	77.5°	50.5	28.4	19.7	17.3	12.0	16.8	25.0	22.1	13.9	8.7
52.4	80°	31.7	18.8	11.5	8.2	5.8	9.1	13.5	9.6	5.3	1.9
30.8	82.5°	16.8	9.6	4.3	2.9	2.4	2.9	3.4	2.4	1.0	0.0
15.9	85°	6.7	3.4	1.4	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°
951.1
888.5
743.8
554.4
374.1
302.9
295.2
290.9
284.2
277.4
273.1
269.7
266.4
263.0
260.6
257.7
248.6
228.4
201.9
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150.0
128.4
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