

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: P852198

Luminaire Tested: **GLAN-SB2A-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852198
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-SB2A-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 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: 5415 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

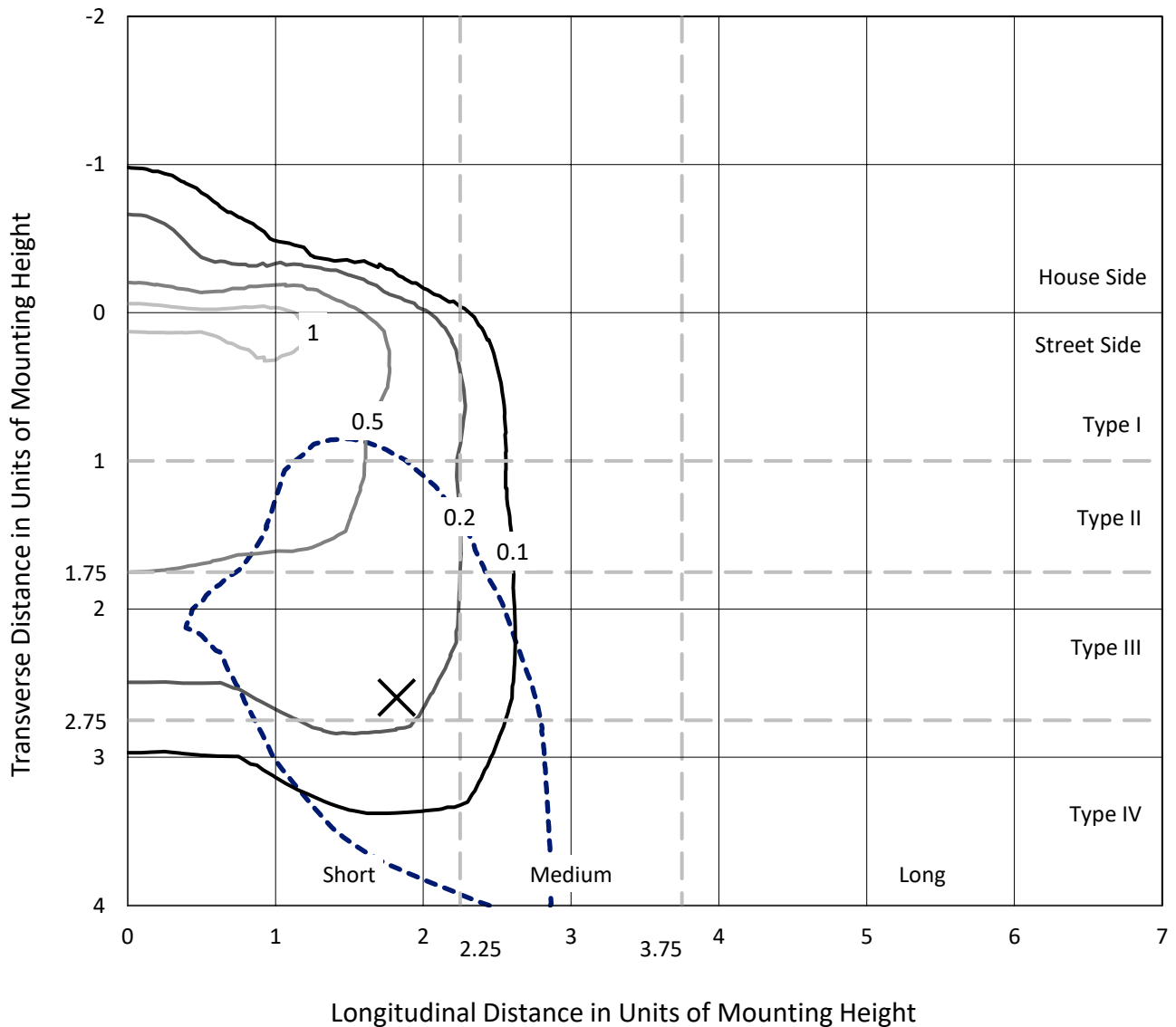
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

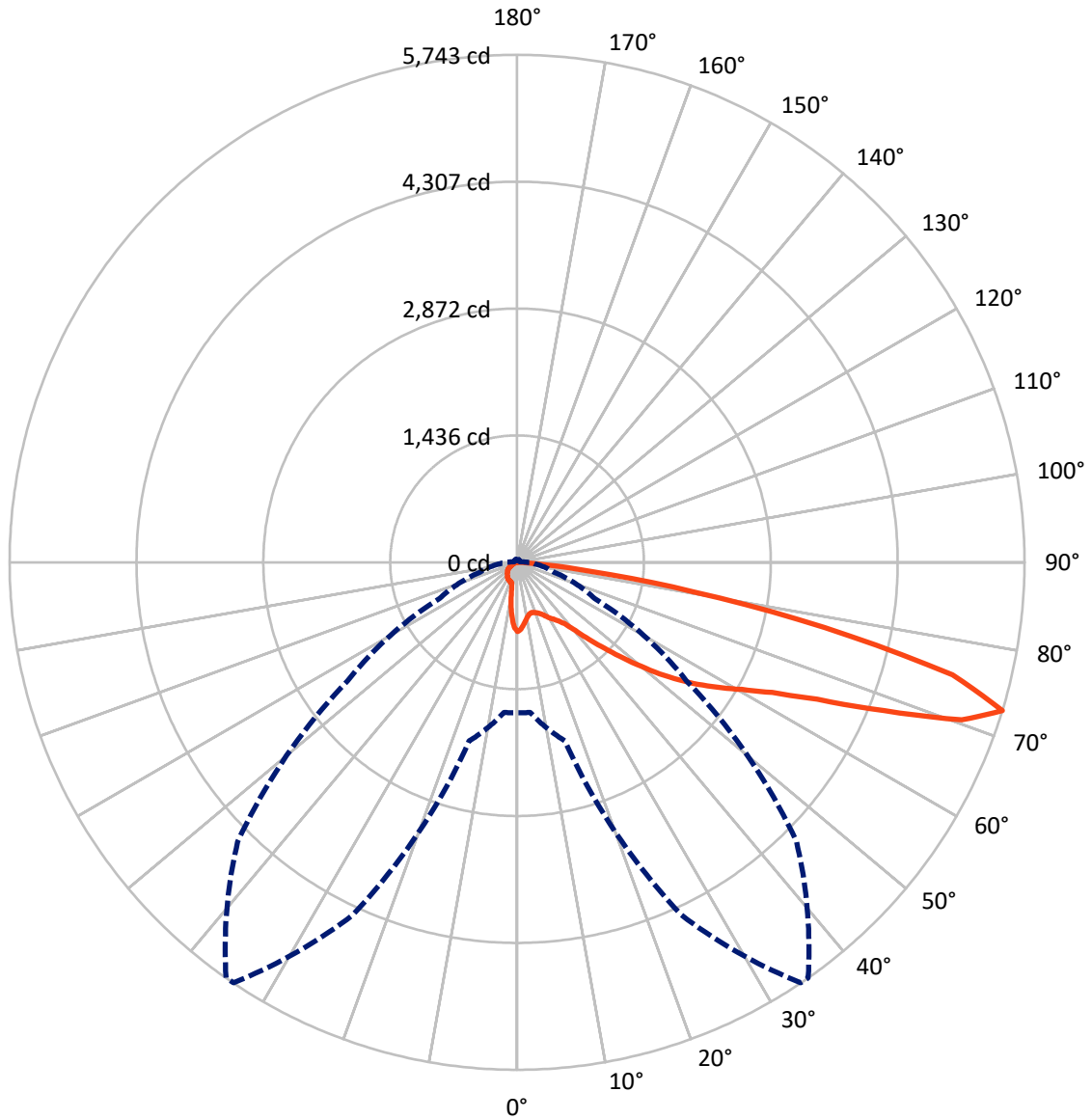
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	609.4	0.0	609.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	4805.6	0.0	4805.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	5415.0	0.0	5415.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	1.2
10°-20°	150.9	2.8
20°-30°	245.1	4.5
30°-40°	408.9	7.6
40°-50°	773.7	14.3
50°-60°	1229.4	22.7
60°-70°	1520.8	28.1
70°-80°	945.4	17.5
80°-90°	76.4	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°	5415.0	100.0
0°-180°	5415.0	100.0

Coefficient of Utilization

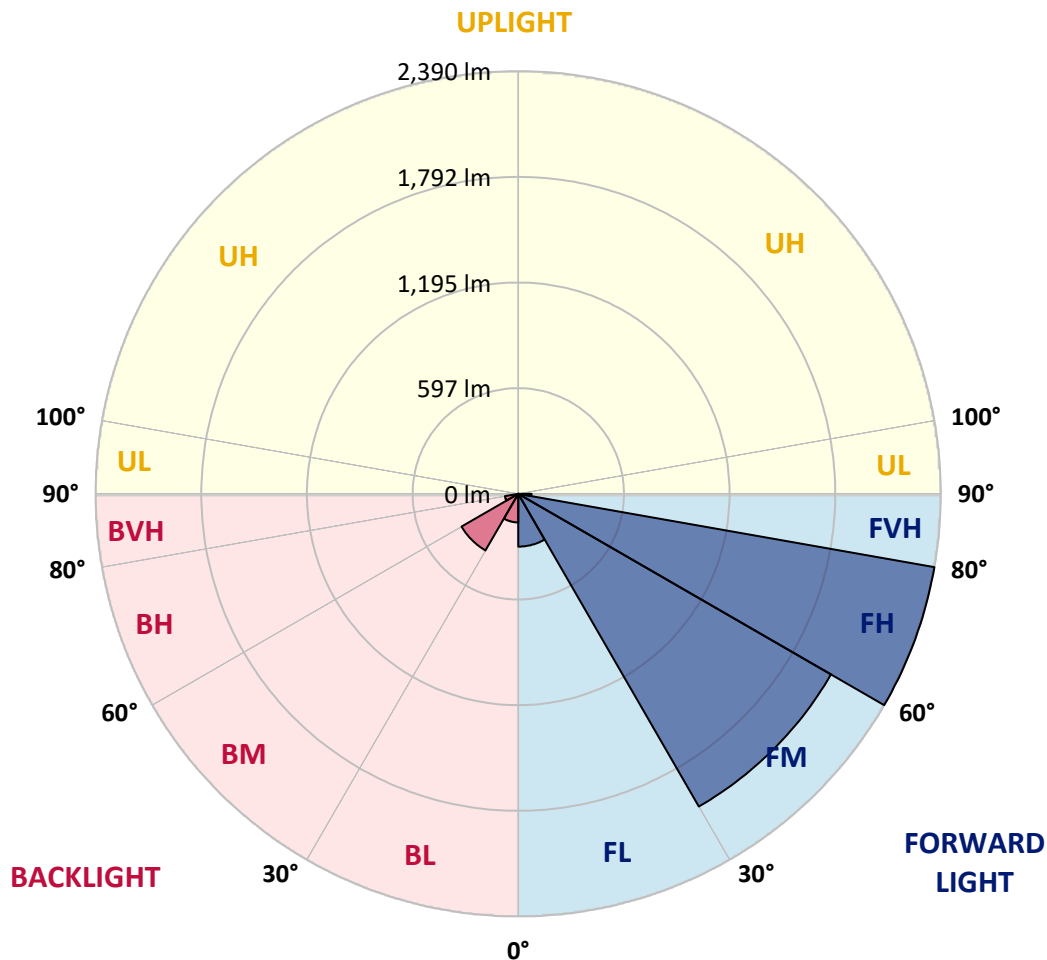


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.5	5.5			
FM (30°-60°)	2042.0	37.7			
FH (60°-80°)	2389.7	44.1			G2/5000
FVH (80°-90°)	75.4	1.4			G1/100
BL (0°-30°)	161.9	3.0	B1/500		
BM (30°-60°)	370.0	6.8	B1/1000		
BH (60°-80°)	76.5	1.4	B0/110		G0/110
BVH (80°-90°)	1.0	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°	784.8	784.8	784.8	784.8	784.8	784.8	784.8	784.8	784.8	784.8
2.5°	749.9	756.2	757.4	759.4	759.4	761.8	765.8	771.3	780.5	785.2
5°	691.2	695.9	701.9	706.7	715.8	717.0	732.4	747.5	768.5	784.4
7.5°	632.1	637.6	645.5	657.1	669.0	672.5	695.9	721.3	754.7	784.4
10°	590.4	590.8	597.9	609.4	628.5	632.9	661.4	697.5	739.2	779.7
12.5°	567.0	569.8	572.9	581.7	599.9	602.7	633.2	675.7	723.7	776.9
15°	567.0	569.0	571.0	575.3	590.0	592.4	619.4	661.8	715.8	778.1
17.5°	572.9	576.1	574.5	579.7	595.2	596.7	620.6	657.8	715.4	785.6
20°	587.2	589.6	586.4	589.6	605.1	608.3	632.9	665.4	722.1	798.7
22.5°	609.8	611.0	603.5	605.9	621.7	625.7	654.3	686.8	738.4	819.7
25°	638.4	640.8	629.3	632.1	647.1	651.9	684.8	719.0	764.2	848.7
27.5°	671.3	672.5	662.6	662.2	681.7	688.4	721.7	758.6	798.7	885.2
30°	709.0	712.6	703.1	701.5	726.1	731.6	764.6	807.4	849.5	940.0
32.5°	738.8	741.6	736.0	740.0	765.0	769.3	816.6	876.5	929.2	1017.7
35°	781.6	783.2	770.5	777.7	806.2	817.4	887.6	973.3	1029.6	1115.3
37.5°	936.8	936.8	882.8	847.5	874.9	884.8	984.8	1095.1	1153.4	1246.3
40°	1151.4	1147.9	1068.9	996.7	993.1	1012.6	1123.3	1248.6	1313.3	1403.4
42.5°	1380.4	1374.8	1267.3	1195.9	1184.0	1190.7	1283.2	1437.9	1503.8	1595.0
45°	1583.5	1581.9	1483.5	1387.5	1366.1	1387.5	1482.7	1659.3	1706.5	1802.5
47.5°	1753.7	1753.7	1681.9	1619.2	1608.1	1620.8	1752.9	1904.9	1900.5	2023.5
50°	1949.7	1948.2	1879.9	1852.9	1864.4	1882.3	2064.0	2163.6	2101.3	2240.6
52.5°	2087.0	2096.5	2073.1	2068.8	2127.5	2158.4	2379.8	2416.7	2281.0	2446.5
55°	2195.7	2206.8	2233.8	2264.4	2377.5	2417.9	2685.7	2656.8	2431.4	2625.0
57.5°	2349.7	2333.8	2375.5	2435.8	2618.7	2667.5	2982.1	2883.3	2552.4	2769.9
60°	2536.6	2538.9	2546.1	2622.3	2859.5	2922.2	3274.2	3097.6	2630.2	2858.7
62.5°	2761.1	2764.7	2779.4	2896.4	3182.9	3242.0	3585.2	3273.0	2665.9	2833.7
65°	2745.7	2760.7	2924.6	3324.9	3674.5	3732.8	3948.3	3396.0	2612.0	2605.2
67.5°	2501.3	2525.9	2800.0	3836.8	4415.7	4480.7	4387.1	3420.2	2379.0	2025.9
70°	2180.7	2189.4	2519.1	4297.0	5273.9	5339.8	4779.9	3153.9	1805.3	1130.0
72.5°	1702.9	1704.9	2091.8	4403.8	5739.7	5743.3	4471.6	2341.4	970.9	434.1
75°	1216.5	1204.6	1401.0	3571.3	5049.7	5090.2	3352.3	1098.3	371.0	205.1
77.5°	652.3	665.4	792.8	2118.0	3488.4	3557.5	1829.1	316.6	188.9	139.7
80°	201.6	212.7	325.0	969.7	1975.9	2017.6	678.1	140.9	131.7	99.6
82.5°	63.5	65.9	151.6	407.5	820.1	839.2	196.4	79.8	90.1	65.9
85°	18.3	18.6	67.5	152.0	202.8	206.7	55.2	30.9	51.6	40.9
87.5°	2.0	6.3	25.4	25.4	17.9	17.5	6.0	6.7	14.7	5.2
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°
784.8	0°	784.8	784.8	784.8	784.8	784.8	784.8	784.8	784.8	784.8	784.8
788.4	2.5°	786.4	786.8	781.6	772.9	763.4	755.5	745.5	737.6	732.0	730.5
795.5	5°	792.0	789.2	774.5	747.9	716.2	688.8	658.2	634.0	618.2	611.4
803.1	7.5°	800.3	792.4	760.2	707.8	647.1	593.2	538.4	496.0	469.0	455.5
810.2	10°	807.4	791.6	736.4	649.9	557.1	475.3	401.5	350.3	321.8	308.3
818.5	12.5°	814.2	791.2	705.5	581.3	455.5	355.5	286.9	261.5	253.5	250.8
832.0	15°	826.9	792.4	666.6	502.7	354.3	268.6	243.6	243.2	244.8	244.0
852.7	17.5°	844.3	793.5	622.5	419.4	273.4	236.9	235.7	239.3	241.6	240.4
878.5	20°	866.9	798.3	575.7	336.9	234.9	228.9	231.7	234.9	236.9	234.9
913.0	22.5°	898.7	806.6	524.5	270.6	222.6	224.2	226.6	230.1	232.1	229.3
957.0	25°	937.6	819.7	474.1	235.3	216.6	218.6	222.2	226.2	228.5	225.8
1012.6	27.5°	988.0	840.8	427.7	227.4	210.7	211.9	217.0	223.0	226.2	222.6
1091.5	30°	1061.0	875.3	387.6	230.9	207.1	204.3	211.5	219.8	223.4	220.2
1199.0	32.5°	1157.8	924.1	363.0	236.5	205.5	195.6	202.4	213.1	219.0	217.0
1339.5	35°	1284.7	998.3	353.5	242.8	204.3	186.5	191.2	202.8	213.1	215.1
1516.5	37.5°	1438.7	1101.4	356.3	245.6	200.8	178.9	181.3	191.2	204.7	211.1
1715.6	40°	1613.7	1221.7	372.2	242.8	196.8	172.6	173.0	180.5	192.4	202.0
1929.9	42.5°	1794.2	1362.1	401.5	232.5	193.2	167.0	165.9	171.0	178.9	185.7
2143.8	45°	1966.0	1506.5	430.5	218.2	188.9	161.5	158.7	160.7	162.3	165.1
2352.1	47.5°	2116.0	1608.1	422.2	205.1	182.9	155.1	150.4	149.6	144.8	144.4
2538.2	50°	2219.5	1630.3	374.9	192.0	174.2	148.0	140.5	135.7	127.4	123.4
2677.4	52.5°	2252.5	1542.6	306.3	178.9	159.9	138.5	127.8	120.2	109.9	106.3
2757.6	55°	2208.8	1370.8	244.8	163.1	140.1	125.8	113.9	104.0	95.6	91.3
2766.3	57.5°	2102.1	1152.2	193.6	144.4	119.0	111.5	99.6	89.7	82.5	78.2
2669.5	60°	1925.1	915.0	153.2	122.2	101.6	96.0	83.7	77.4	71.0	65.9
2419.5	62.5°	1656.5	653.1	120.2	96.8	84.9	78.6	71.4	66.7	59.1	52.0
1970.0	65°	1292.7	399.5	92.8	71.0	68.2	65.1	60.7	56.3	47.2	40.1
1285.1	67.5°	815.4	189.3	66.3	53.6	54.0	52.4	50.4	46.8	40.1	33.7
575.7	70°	359.1	91.7	43.6	40.9	40.1	40.1	41.7	40.5	34.1	28.2
200.0	72.5°	122.2	49.2	32.5	30.9	29.0	28.6	34.9	33.7	27.4	21.8
99.6	75°	63.9	32.9	23.8	22.2	17.5	21.0	27.8	26.2	19.4	14.3
65.9	77.5°	41.7	23.4	16.3	14.3	9.9	13.9	20.6	18.3	11.5	7.1
43.2	80°	26.2	15.5	9.5	6.7	4.8	7.5	11.1	7.9	4.4	1.6
25.4	82.5°	13.9	7.9	3.6	2.4	2.0	2.4	2.8	2.0	0.8	0.0
13.1	85°	5.6	2.8	1.2	0.8	0.4	0.0	0.8	0.4	0.0	0.0
2.4	87.5°	2.0	0.4	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°
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784.8
733.2
613.8
457.5
308.7
250.0
243.6
240.0
234.5
228.9
225.4
222.6
219.8
217.0
215.1
212.7
205.1
188.5
166.6
144.0
123.8
105.9
91.3
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