

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: P845815

Luminaire Tested: **GLAN-SB1A-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2110 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

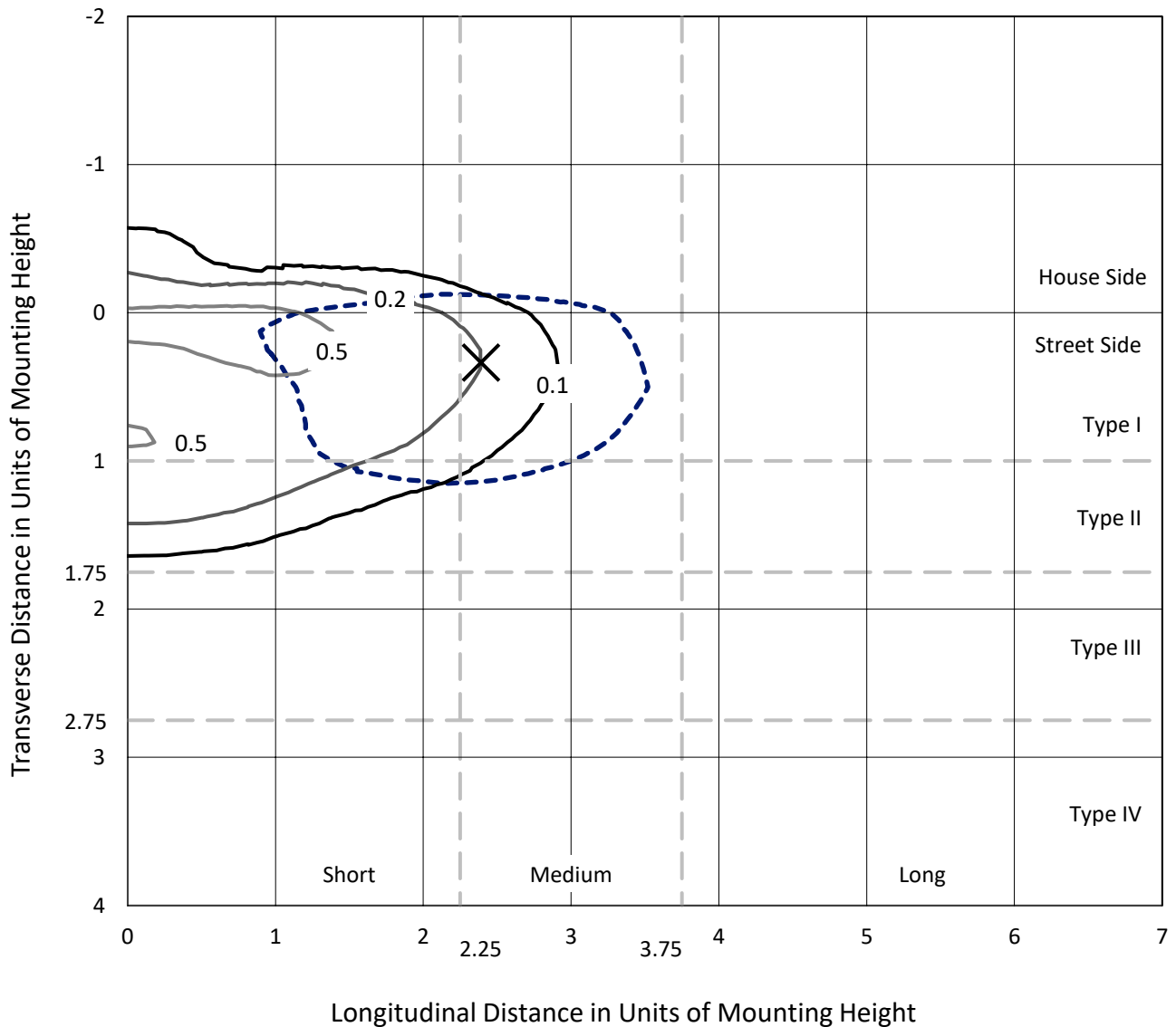
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

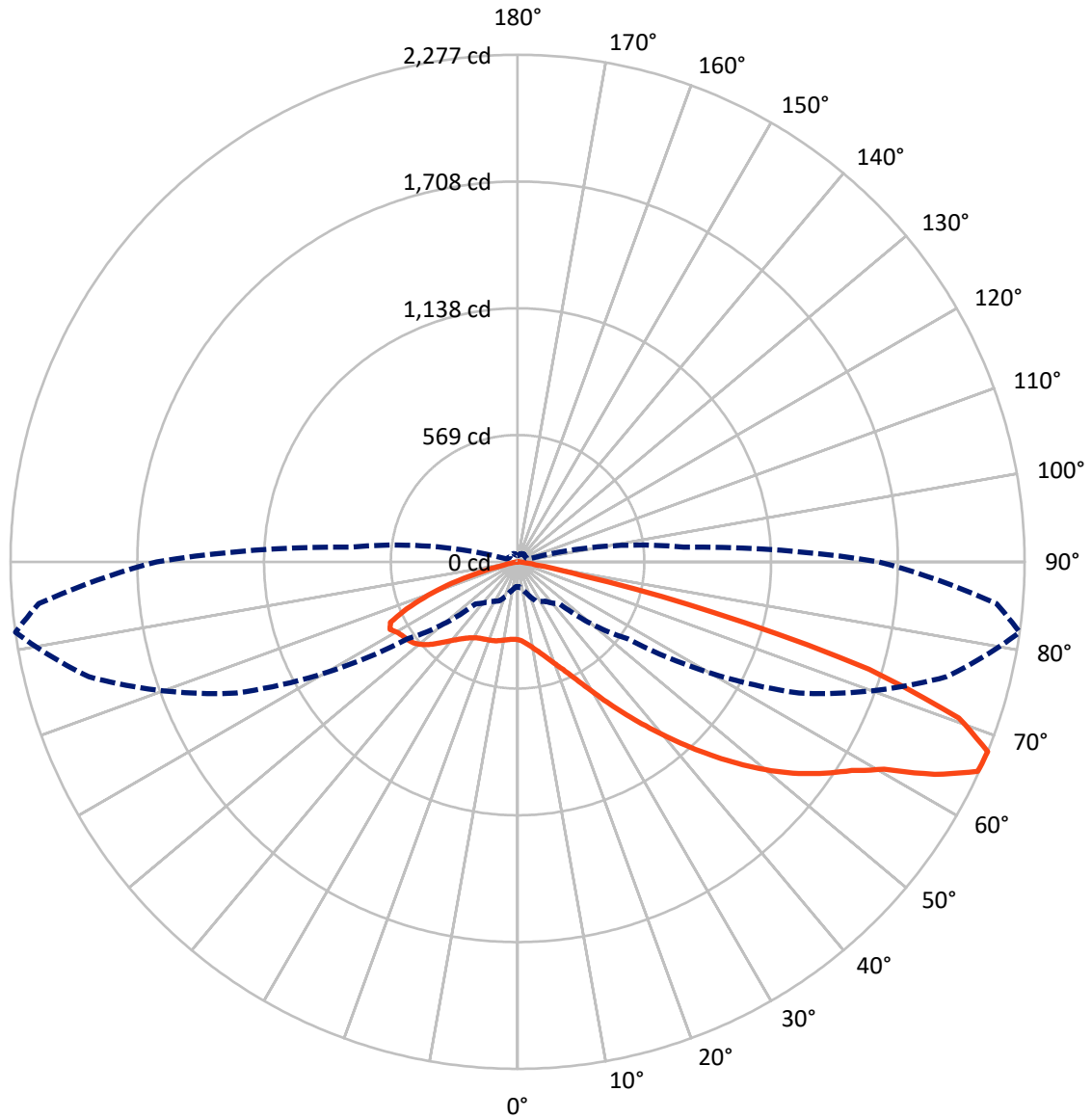
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	382.2	0.0	382.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	1727.8	0.0	1727.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	2110.0	0.0	2110.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	1.5
10°-20°	80.9	3.8
20°-30°	129.6	6.1
30°-40°	229.2	10.9
40°-50°	401.6	19.0
50°-60°	535.6	25.4
60°-70°	498.6	23.6
70°-80°	191.4	9.1
80°-90°	11.9	0.6
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°	2110.0	100.0
0°-180°	2110.0	100.0

Coefficient of Utilization

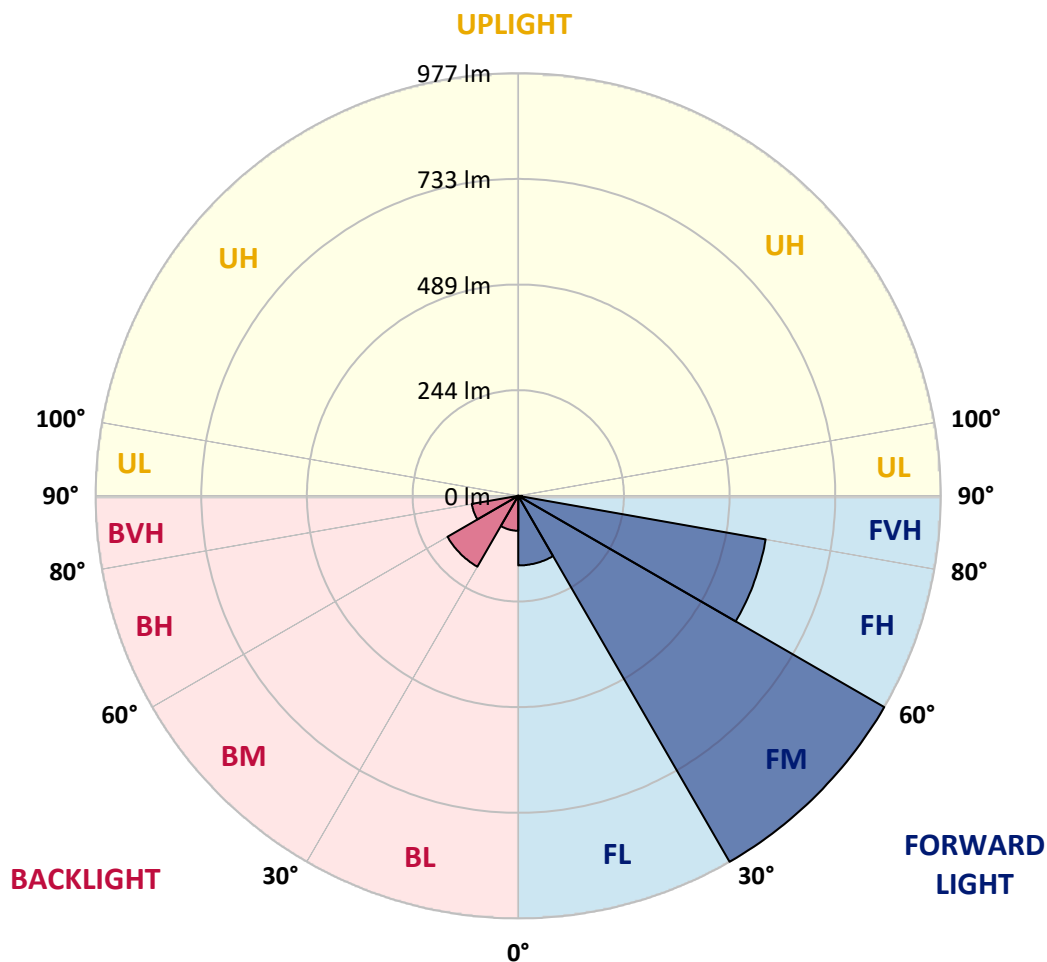


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.0	7.6			
FM (30°-60°)	977.3	46.3			
FH (60°-80°)	580.9	27.5			G0/660
FVH (80°-90°)	8.6	0.4			G0/10
BL (0°-30°)	80.7	3.8	B0/110		
BM (30°-60°)	189.2	9.0	B0/220		
BH (60°-80°)	109.1	5.2	B0/110		G0/110
BVH (80°-90°)	3.2	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6
2.5°	369.5	371.6	370.4	369.8	368.7	367.2	366.0	362.2	358.2	355.6
5°	376.9	379.0	378.9	379.5	380.2	380.7	380.4	376.1	370.5	366.1
7.5°	370.5	373.0	374.9	378.0	383.3	388.9	391.6	390.7	385.0	378.9
10°	352.4	355.0	359.7	366.9	378.1	390.3	400.4	405.2	401.5	394.8
12.5°	319.3	321.9	331.2	346.7	365.5	386.6	406.1	418.7	419.6	412.9
15°	282.1	284.7	294.6	314.0	342.7	376.6	409.1	433.0	441.0	435.2
17.5°	259.0	261.3	268.7	284.4	314.3	356.5	408.0	448.1	466.5	462.0
20°	252.0	254.0	257.5	268.4	293.3	335.7	401.1	462.4	494.0	491.4
22.5°	259.5	261.3	262.4	267.2	282.9	322.1	392.2	477.0	525.9	526.2
25°	276.6	278.5	277.2	280.3	287.1	317.8	388.9	494.2	566.0	569.4
27.5°	304.9	305.0	302.2	302.0	303.1	324.2	392.4	512.6	616.6	622.9
30°	361.6	359.3	348.2	336.2	330.7	343.3	402.1	534.3	676.3	687.4
32.5°	448.9	445.6	425.2	396.5	367.6	374.2	419.6	559.0	741.3	761.4
35°	543.7	542.8	521.5	478.8	428.4	418.1	448.0	591.6	812.3	844.2
37.5°	631.8	631.4	619.2	568.9	507.5	479.3	493.6	634.1	888.2	934.4
40°	712.3	713.7	701.5	656.6	594.7	557.8	555.6	686.7	972.7	1032.7
42.5°	781.9	783.4	771.1	737.8	680.9	644.7	631.7	751.1	1055.2	1138.3
45°	829.2	838.6	836.7	810.2	769.3	731.8	723.1	831.9	1149.2	1250.3
47.5°	842.5	851.2	864.9	868.5	843.6	806.7	817.0	929.3	1244.3	1362.4
50°	809.6	817.6	846.0	883.8	901.2	889.8	908.3	1033.6	1341.7	1474.2
52.5°	744.5	752.7	788.6	848.4	919.1	954.9	999.9	1136.5	1436.0	1580.1
55°	650.5	659.2	705.2	772.9	884.9	981.8	1076.3	1239.2	1522.5	1675.3
57.5°	522.6	529.0	576.8	671.6	798.9	955.1	1132.7	1351.3	1603.9	1768.9
60°	340.6	346.2	401.8	507.5	656.4	865.8	1143.9	1476.3	1712.1	1890.6
62.5°	226.5	230.3	263.3	340.9	462.3	694.2	1078.1	1576.1	1870.7	2102.3
65°	155.4	159.2	192.2	246.3	298.7	459.2	889.0	1562.9	2014.4	2270.5
67.5°	110.9	114.1	142.0	193.1	216.2	266.8	602.6	1394.0	1993.7	2276.9
70°	79.5	81.3	104.4	150.4	171.8	160.3	335.1	1066.1	1745.7	2102.5
72.5°	55.6	56.2	72.5	114.5	138.4	117.0	159.5	710.8	1320.3	1650.2
75°	37.7	38.4	48.8	84.0	111.0	89.3	84.5	381.2	775.1	913.5
77.5°	23.1	23.4	31.4	57.4	83.1	68.1	54.4	161.5	299.9	294.4
80°	13.1	13.1	20.1	35.7	56.7	43.9	38.1	68.7	94.9	83.4
82.5°	7.3	7.4	14.6	22.2	37.5	26.0	21.0	31.8	41.0	36.3
85°	3.0	3.3	9.0	10.5	17.9	12.9	8.5	13.4	15.2	13.5
87.5°	0.3	0.5	2.7	2.0	2.1	2.6	1.2	2.6	2.1	2.1
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°
349.6	0°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6
354.7	2.5°	351.8	349.6	343.8	337.1	328.3	324.0	318.3	314.3	311.0	311.3
363.5	5°	358.7	352.9	340.0	323.9	303.8	289.5	274.4	263.9	255.4	253.5
375.7	7.5°	368.1	359.0	336.3	307.3	273.4	247.8	224.8	210.1	199.6	196.3
390.4	10°	380.2	367.0	331.6	286.5	237.7	205.1	180.5	168.9	161.8	159.4
407.7	12.5°	394.4	376.3	325.4	261.1	201.0	169.5	153.9	148.1	145.8	145.1
429.0	15°	412.1	387.8	316.0	231.1	169.8	147.8	141.1	140.4	140.7	140.4
454.5	17.5°	433.3	400.4	300.6	200.1	148.9	136.7	134.3	134.9	135.7	135.5
483.1	20°	456.4	412.9	281.0	172.6	134.6	128.8	127.5	128.1	128.7	128.4
516.1	22.5°	482.6	426.3	259.3	151.2	125.0	121.5	120.0	120.2	120.2	119.6
557.8	25°	514.1	441.0	236.5	136.0	117.7	115.0	113.2	112.6	111.7	109.8
608.6	27.5°	551.6	456.7	214.7	125.3	112.0	109.4	107.3	105.7	103.5	100.4
669.5	30°	593.8	475.6	196.1	118.6	107.4	104.8	102.4	100.1	96.8	93.0
739.5	32.5°	643.5	496.0	182.6	114.2	103.3	100.6	97.7	94.9	91.3	87.5
818.2	35°	702.8	520.6	174.7	111.2	100.1	96.5	93.3	90.2	87.5	84.2
903.7	37.5°	767.0	546.7	172.3	109.7	98.0	92.4	88.7	86.6	86.3	84.3
996.3	40°	837.4	577.7	174.1	108.8	95.7	88.4	84.5	84.0	84.8	81.3
1095.2	42.5°	911.8	614.5	177.1	107.7	92.5	84.5	80.7	80.7	80.1	75.2
1199.7	45°	992.3	656.9	180.2	105.1	88.7	80.5	77.6	76.6	74.0	69.3
1304.8	47.5°	1073.4	700.0	182.4	100.4	84.2	77.2	74.6	72.2	68.4	64.1
1407.9	50°	1150.4	738.8	180.0	93.4	79.0	74.0	71.2	67.9	63.8	60.9
1505.6	52.5°	1219.3	772.3	169.7	85.2	73.5	70.6	68.2	64.7	61.4	58.3
1593.7	55°	1279.1	799.5	151.5	77.5	68.7	67.8	65.3	60.9	56.4	53.8
1681.1	57.5°	1336.5	820.2	128.7	71.1	64.3	64.6	60.9	57.0	52.7	50.0
1798.8	60°	1413.0	847.8	105.6	65.2	59.6	60.5	56.5	53.6	48.3	44.8
2000.7	62.5°	1535.1	890.8	83.9	57.9	54.1	54.4	52.7	49.2	42.8	38.7
2150.4	65°	1632.0	875.0	66.1	50.0	47.9	48.3	48.3	44.5	37.7	33.0
2158.4	67.5°	1621.1	749.2	52.7	42.2	41.9	42.2	43.3	40.1	33.4	29.6
1994.0	70°	1493.3	596.0	42.2	35.1	36.5	35.7	38.7	36.6	30.1	26.3
1545.9	72.5°	1218.5	429.3	32.2	29.0	28.0	29.2	34.9	33.0	25.1	20.8
818.8	75°	712.0	229.1	24.0	22.9	20.2	24.3	31.0	28.1	19.1	15.3
251.0	77.5°	231.8	79.9	17.6	16.9	15.0	19.6	26.4	23.7	15.6	12.2
73.5	80°	62.1	24.2	12.0	11.1	9.7	14.6	21.0	18.8	11.2	7.9
31.6	82.5°	24.9	10.2	7.0	6.2	5.3	10.0	16.6	15.2	8.4	5.0
9.9	85°	8.1	3.3	2.6	2.0	2.4	6.2	9.9	10.3	5.9	2.6
1.5	87.5°	1.1	0.5	0.5	0.6	0.5	1.1	3.0	2.9	1.7	0.3
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

<u>180°</u>
349.6
308.2
249.4
192.9
157.5
144.6
140.2
135.2
128.2
119.3
109.5
100.1
92.7
87.7
83.9
84.2
81.4
75.2
69.1
64.0
60.5
58.0
53.5
49.7
44.4
38.4
32.5
29.0
25.8
20.4
14.9
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7.7
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