

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: P845825

Luminaire Tested: **GLAN-SB1A-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845825
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-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 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: 2211 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

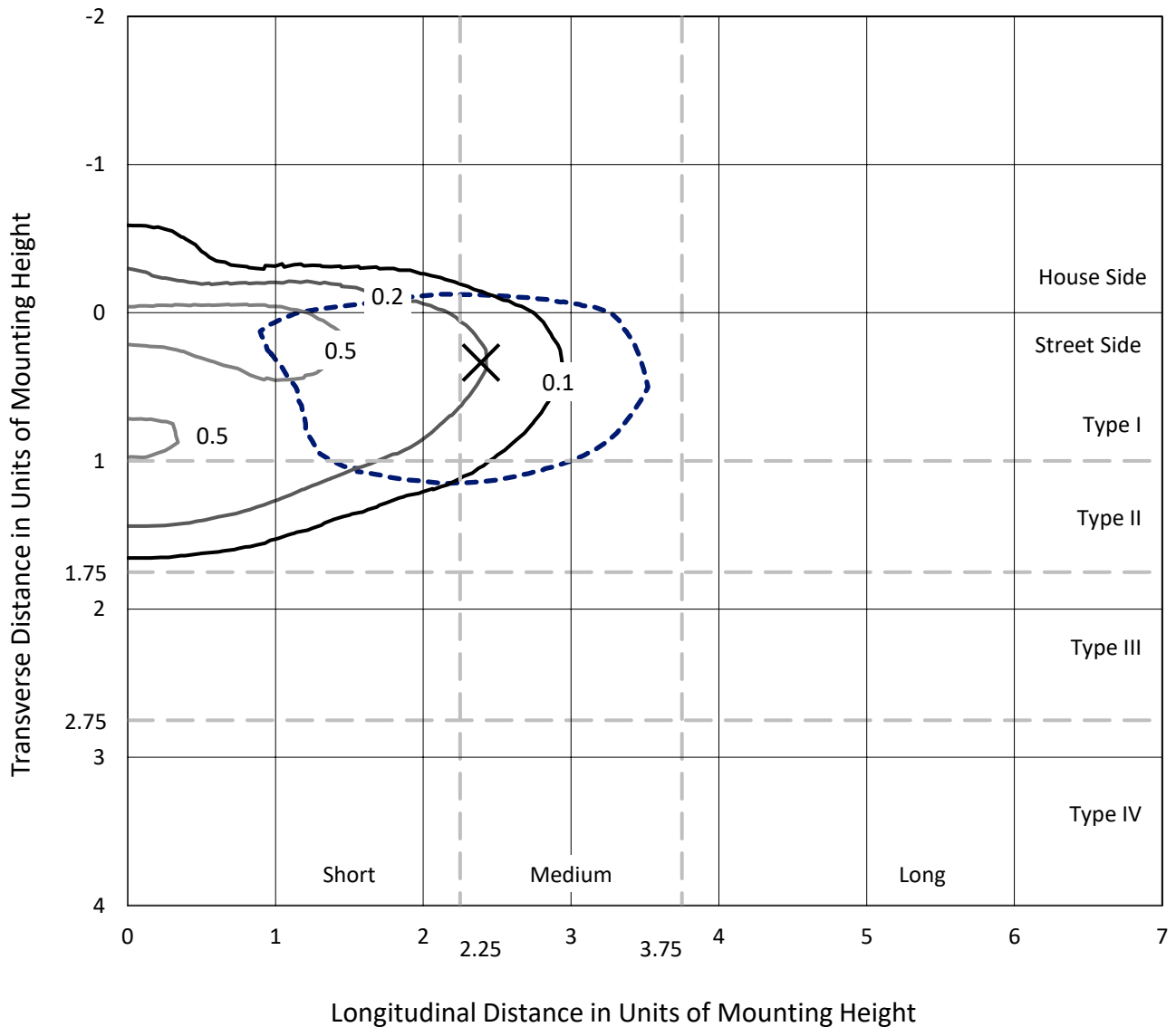
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

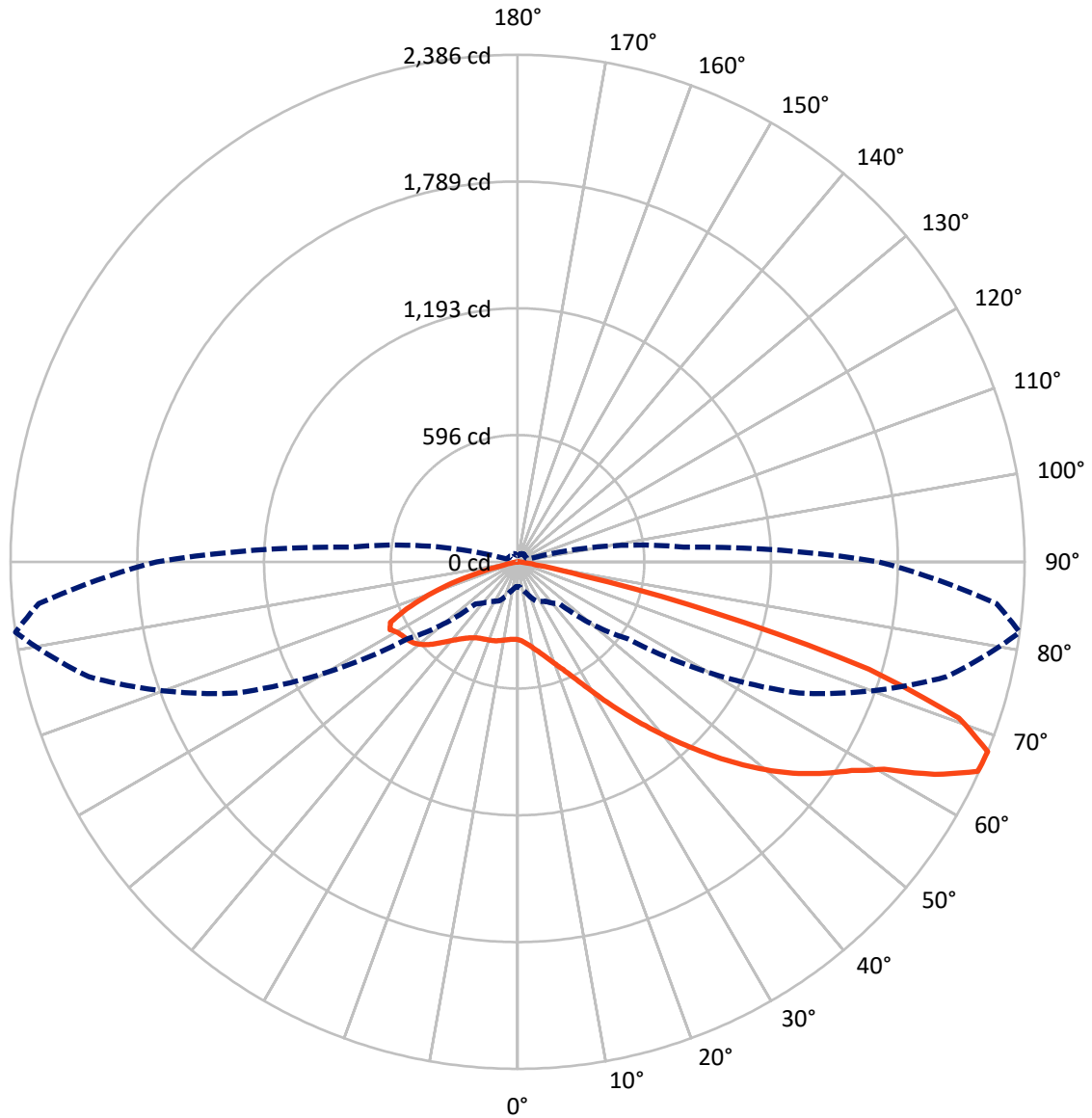
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	400.5	0.0	400.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	1810.5	0.0	1810.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	2211.0	0.0	2211.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	1.5
10°-20°	84.8	3.8
20°-30°	135.8	6.1
30°-40°	240.2	10.9
40°-50°	420.8	19.0
50°-60°	561.3	25.4
60°-70°	522.5	23.6
70°-80°	200.5	9.1
80°-90°	12.5	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°	2211.0	100.0
0°-180°	2211.0	100.0

Coefficient of Utilization

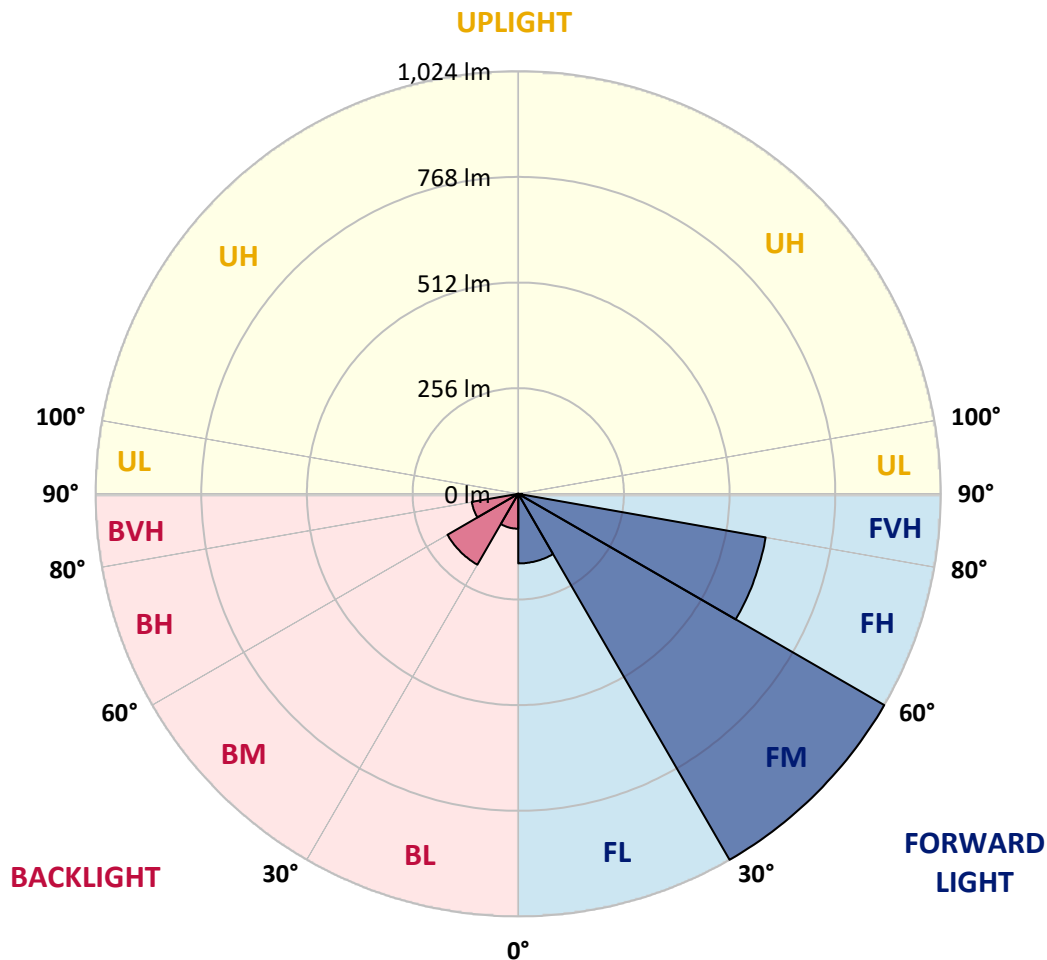


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.7	7.6			
FM (30°-60°)	1024.0	46.3			
FH (60°-80°)	608.7	27.5			G0/660
FVH (80°-90°)	9.1	0.4			G0/10
BL (0°-30°)	84.6	3.8	B0/110		
BM (30°-60°)	198.2	9.0	B0/220		
BH (60°-80°)	114.3	5.2	B1/500		G1/500
BVH (80°-90°)	3.4	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	366.3	366.3	366.3	366.3	366.3	366.3	366.3	366.3	366.3	366.3
2.5°	387.1	389.4	388.1	387.5	386.3	384.8	383.5	379.5	375.4	372.7
5°	394.9	397.2	397.0	397.6	398.4	398.9	398.6	394.1	388.3	383.6
7.5°	388.3	390.8	392.9	396.1	401.6	407.5	410.4	409.4	403.4	397.0
10°	369.3	372.0	377.0	384.4	396.2	408.9	419.6	424.6	420.7	413.7
12.5°	334.6	337.3	347.0	363.3	383.0	405.1	425.5	438.7	439.7	432.7
15°	295.6	298.3	308.7	329.0	359.1	394.6	428.7	453.7	462.1	456.1
17.5°	271.4	273.8	281.6	298.0	329.4	373.6	427.6	469.6	488.9	484.1
20°	264.1	266.2	269.8	281.3	307.4	351.8	420.3	484.6	517.7	515.0
22.5°	271.9	273.8	274.9	280.0	296.4	337.5	411.0	499.8	551.1	551.4
25°	289.9	291.8	290.5	293.7	300.9	333.0	407.5	517.8	593.1	596.6
27.5°	319.5	319.6	316.6	316.5	317.6	339.7	411.2	537.1	646.1	652.7
30°	378.9	376.5	364.9	352.3	346.5	359.8	421.4	559.9	708.7	720.3
32.5°	470.4	466.9	445.6	415.5	385.2	392.1	439.7	585.8	776.8	797.8
35°	569.7	568.8	546.5	501.8	448.9	438.1	469.4	619.9	851.2	884.6
37.5°	662.1	661.6	648.8	596.2	531.8	502.2	517.2	664.4	930.8	979.2
40°	746.4	747.9	735.1	688.0	623.2	584.5	582.1	719.5	1019.3	1082.1
42.5°	819.3	820.9	808.0	773.2	713.5	675.6	661.9	787.0	1105.7	1192.8
45°	868.8	878.7	876.8	848.9	806.1	766.8	757.7	871.7	1204.2	1310.1
47.5°	882.8	891.9	906.2	910.1	884.0	845.3	856.1	973.7	1303.9	1427.6
50°	848.3	856.7	886.5	926.1	944.3	932.4	951.8	1083.1	1405.9	1544.7
52.5°	780.2	788.8	826.3	889.1	963.1	1000.6	1047.8	1190.9	1504.8	1655.7
55°	681.6	690.7	738.9	809.9	927.3	1028.8	1127.8	1298.5	1595.4	1755.5
57.5°	547.6	554.3	604.4	703.8	837.2	1000.8	1186.9	1416.0	1680.7	1853.6
60°	356.9	362.8	421.0	531.8	687.8	907.2	1198.7	1547.0	1794.0	1981.1
62.5°	237.3	241.3	275.9	357.2	484.4	727.5	1129.7	1651.6	1960.2	2203.0
65°	162.8	166.8	201.4	258.0	313.0	481.2	931.6	1637.7	2110.8	2379.2
67.5°	116.2	119.5	148.8	202.3	226.5	279.5	631.5	1460.7	2089.2	2385.9
70°	83.3	85.2	109.4	157.6	180.0	167.9	351.2	1117.2	1829.2	2203.1
72.5°	58.3	58.9	75.9	120.0	145.0	122.6	167.1	744.8	1383.5	1729.2
75°	39.5	40.3	51.1	88.0	116.4	93.6	88.5	399.4	812.2	957.2
77.5°	24.2	24.5	33.0	60.2	87.1	71.3	57.0	169.2	314.2	308.5
80°	13.7	13.7	21.0	37.4	59.4	46.0	40.0	72.0	99.5	87.4
82.5°	7.6	7.8	15.3	23.2	39.3	27.2	22.0	33.3	43.0	38.0
85°	3.2	3.5	9.4	11.0	18.8	13.5	8.9	14.0	15.9	14.2
87.5°	0.3	0.5	2.9	2.1	2.2	2.7	1.3	2.7	2.2	2.2
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°
366.3	0°	366.3	366.3	366.3	366.3	366.3	366.3	366.3	366.3	366.3	366.3
371.7	2.5°	368.7	366.3	360.2	353.2	344.0	339.5	333.5	329.4	325.9	326.2
380.9	5°	375.8	369.8	356.3	339.4	318.4	303.4	287.5	276.5	267.6	265.7
393.7	7.5°	385.7	376.2	352.4	322.0	286.5	259.6	235.6	220.2	209.2	205.7
409.1	10°	398.4	384.6	347.5	300.2	249.1	214.9	189.1	177.0	169.5	167.0
427.3	12.5°	413.2	394.3	341.0	273.6	210.6	177.7	161.3	155.2	152.8	152.0
449.5	15°	431.9	406.4	331.1	242.1	178.0	154.9	147.9	147.1	147.4	147.1
476.3	17.5°	454.0	419.6	315.0	209.6	156.0	143.3	140.7	141.4	142.2	142.0
506.2	20°	478.2	432.7	294.5	180.8	141.0	135.0	133.6	134.2	134.8	134.5
540.8	22.5°	505.7	446.7	271.7	158.4	131.0	127.3	125.8	125.9	125.9	125.3
584.5	25°	538.7	462.1	247.9	142.5	123.4	120.5	118.6	118.0	117.0	115.1
637.7	27.5°	578.0	478.5	224.9	131.3	117.3	114.6	112.4	110.8	108.4	105.2
701.5	30°	622.3	498.4	205.5	124.3	112.5	109.8	107.3	104.9	101.4	97.4
774.9	32.5°	674.3	519.7	191.3	119.7	108.2	105.4	102.4	99.5	95.7	91.7
857.4	35°	736.4	545.5	183.1	116.5	104.9	101.1	97.7	94.6	91.7	88.2
947.0	37.5°	803.7	572.9	180.5	114.9	102.7	96.8	93.0	90.7	90.4	88.3
1043.9	40°	877.4	605.4	182.4	114.0	100.3	92.6	88.5	88.0	88.8	85.2
1147.6	42.5°	955.4	643.9	185.6	112.9	96.9	88.5	84.5	84.5	83.9	78.8
1257.1	45°	1039.8	688.3	188.8	110.2	93.0	84.4	81.3	80.2	77.5	72.6
1367.3	47.5°	1124.8	733.5	191.2	105.2	88.2	80.9	78.2	75.6	71.6	67.2
1475.3	50°	1205.5	774.1	188.6	97.9	82.8	77.5	74.7	71.2	66.9	63.8
1577.7	52.5°	1277.6	809.3	177.8	89.3	77.0	74.0	71.5	67.8	64.3	61.1
1670.0	55°	1340.3	837.8	158.7	81.2	72.0	71.0	68.5	63.8	59.1	56.4
1761.6	57.5°	1400.5	859.4	134.8	74.5	67.3	67.7	63.8	59.7	55.2	52.4
1884.9	60°	1480.6	888.4	110.6	68.3	62.4	63.4	59.2	56.2	50.6	47.0
2096.5	62.5°	1608.6	933.5	87.9	60.7	56.7	57.0	55.2	51.6	44.9	40.6
2253.3	65°	1710.1	916.9	69.2	52.4	50.1	50.6	50.6	46.6	39.5	34.5
2261.7	67.5°	1698.7	785.1	55.2	44.3	43.9	44.3	45.4	42.0	35.0	31.0
2089.5	70°	1564.8	624.5	44.3	36.8	38.2	37.4	40.6	38.4	31.5	27.5
1619.9	72.5°	1276.8	449.9	33.7	30.4	29.3	30.6	36.6	34.5	26.3	21.8
858.0	75°	746.1	240.1	25.2	24.0	21.2	25.5	32.5	29.4	20.1	16.1
263.0	77.5°	242.9	83.7	18.5	17.7	15.8	20.5	27.7	24.8	16.4	12.7
77.0	80°	65.1	25.3	12.6	11.6	10.2	15.3	22.0	19.7	11.8	8.3
33.1	82.5°	26.1	10.7	7.3	6.5	5.6	10.5	17.4	15.9	8.8	5.3
10.3	85°	8.4	3.5	2.7	2.1	2.5	6.5	10.3	10.8	6.2	2.7
1.6	87.5°	1.1	0.5	0.5	0.6	0.5	1.1	3.2	3.0	1.8	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

180°
366.3
323.0
261.4
202.2
165.1
151.5
146.9
141.7
134.4
125.0
114.8
104.9
97.1
91.9
87.9
88.2
85.3
78.8
72.4
67.0
63.4
60.8
56.0
52.1
46.5
40.3
34.1
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