

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: P845826

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

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
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
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3000 lumens
Efficiency: N/A
Efficacy: 97.1 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

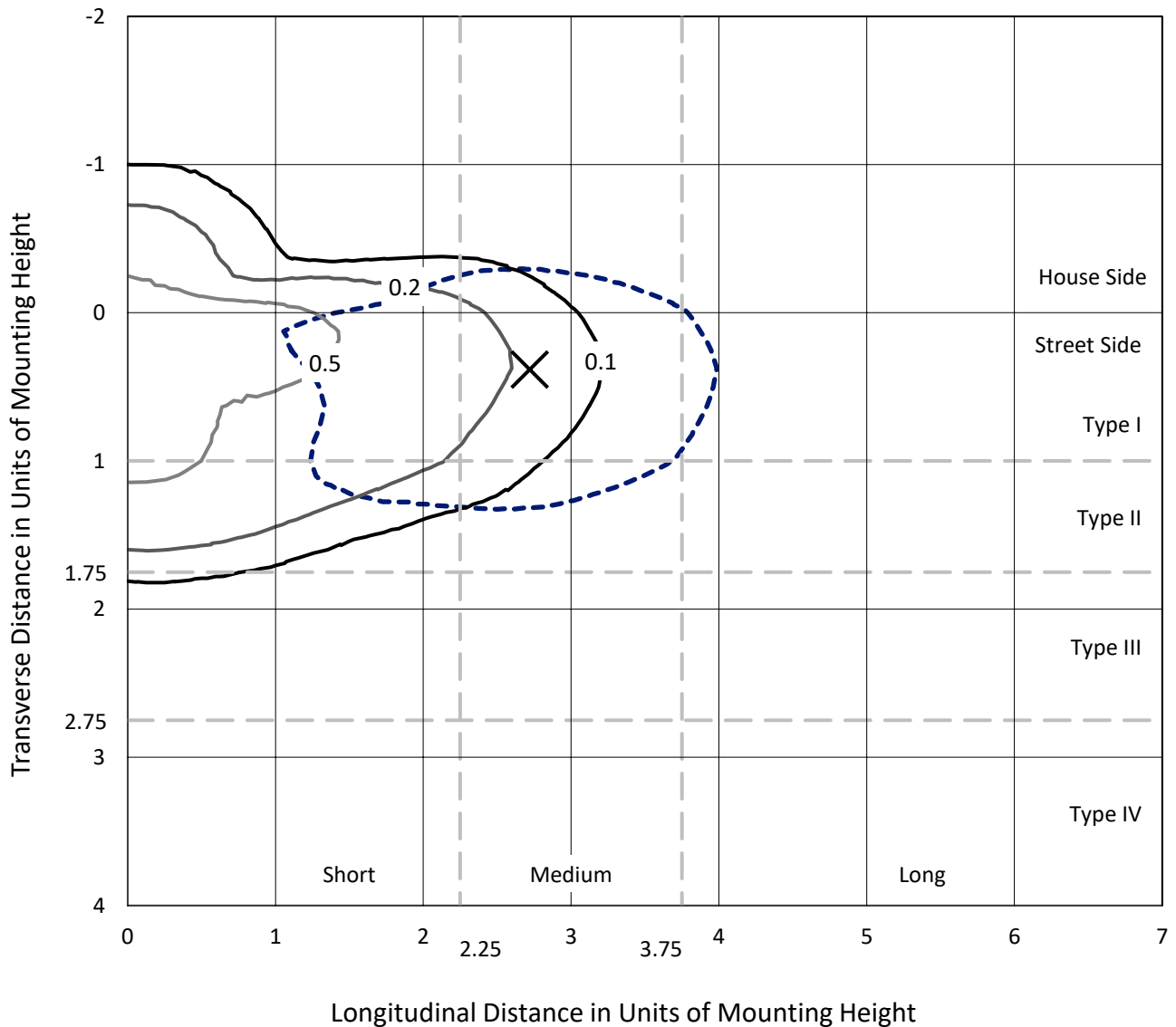
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

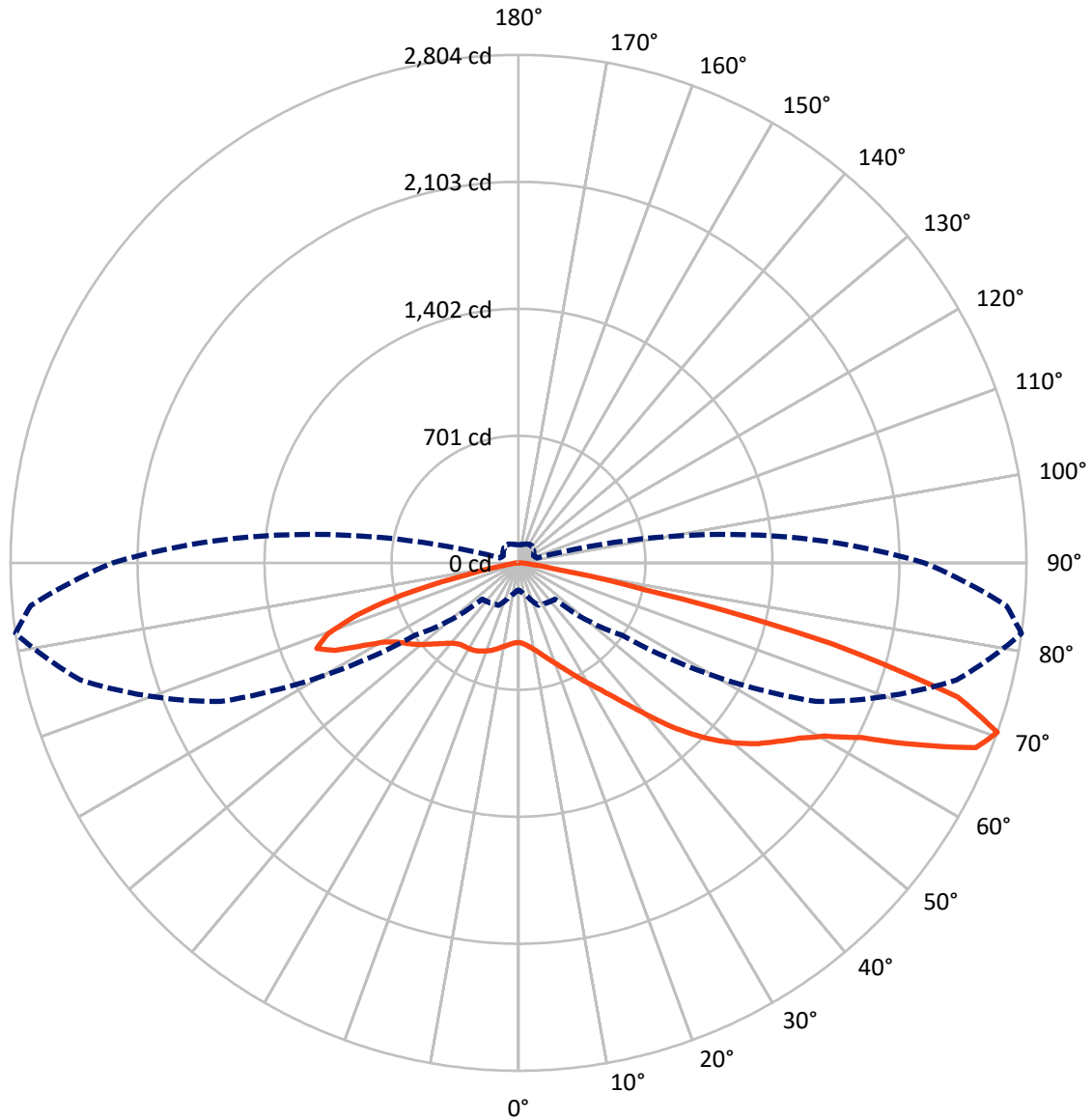
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	739.6	0.0	739.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	2260.4	0.0	2260.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	3000.0	0.0	3000.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.5	1.4
10°-20°	119.3	4.0
20°-30°	199.6	6.7
30°-40°	311.8	10.4
40°-50°	496.6	16.6
50°-60°	691.1	23.0
60°-70°	722.9	24.1
70°-80°	377.8	12.6
80°-90°	39.2	1.3
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°	3000.0	100.0
0°-180°	3000.0	100.0

Coefficient of Utilization

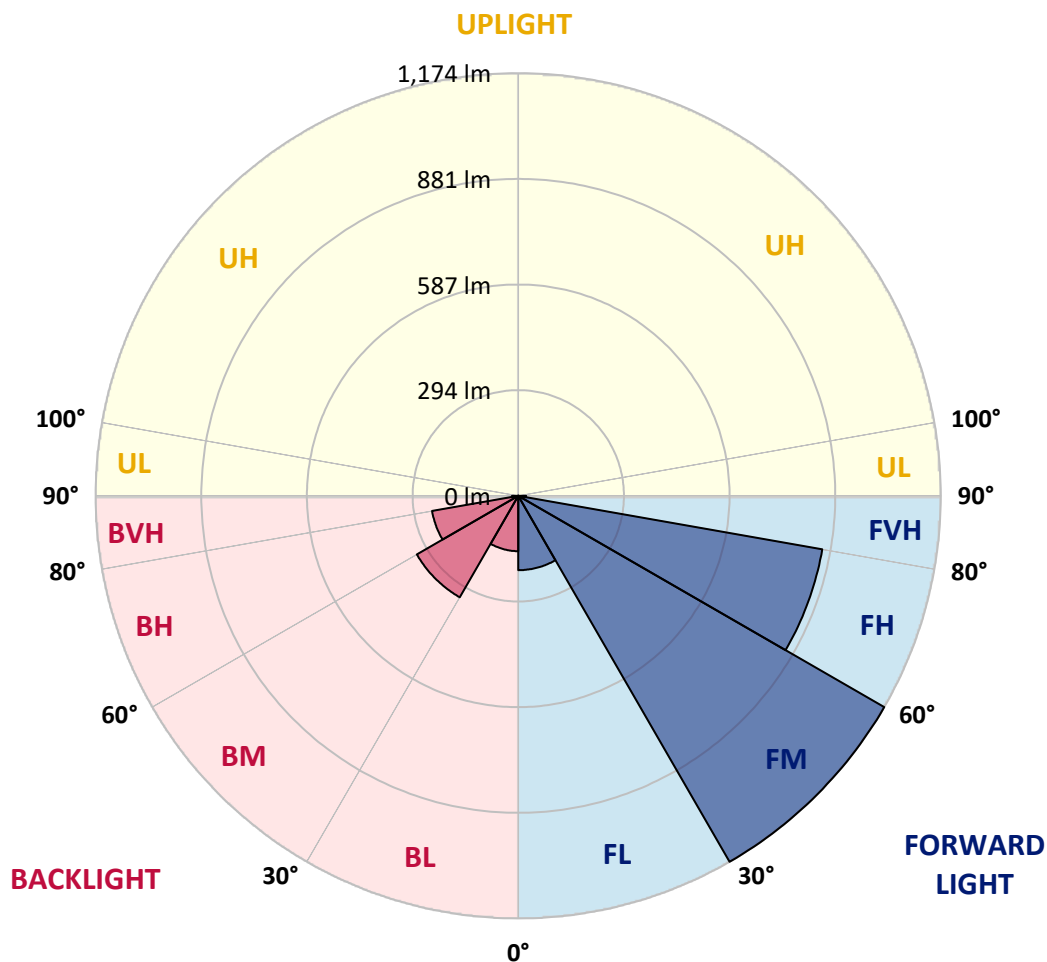


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	206.6	6.9			
FM (30°-60°)	1174.2	39.1			
FH (60°-80°)	857.7	28.6			G1/1800
FVH (80°-90°)	22.0	0.7			G1/100
BL (0°-30°)	153.9	5.1	B1/500		
BM (30°-60°)	325.4	10.8	B1/1000		
BH (60°-80°)	243.1	8.1	B1/500		G1/500
BVH (80°-90°)	17.3	0.6			G1/100
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°	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8
2.5°	450.3	452.9	452.1	451.3	451.3	450.2	450.0	448.4	447.2	445.1
5°	456.1	458.8	458.5	459.1	461.2	461.6	462.1	461.2	458.6	456.1
7.5°	451.0	454.0	455.0	458.8	465.1	470.9	475.2	476.9	474.5	470.9
10°	433.8	437.1	440.5	449.5	460.9	474.4	485.8	492.7	492.2	488.7
12.5°	398.9	402.4	409.6	427.3	448.0	471.8	493.2	507.5	512.4	509.9
15°	371.1	374.1	379.5	397.7	424.6	460.9	495.9	523.7	536.3	534.9
17.5°	370.3	371.5	374.9	383.5	404.2	443.7	493.0	539.6	563.7	563.5
20°	384.3	384.8	386.7	388.4	400.2	430.6	485.7	552.9	594.4	594.4
22.5°	403.7	403.4	405.3	403.7	409.4	429.5	481.1	564.5	628.6	631.2
25°	432.8	431.2	430.8	427.1	428.2	439.8	486.2	577.7	669.2	674.5
27.5°	471.7	469.1	467.4	458.9	456.1	461.2	501.8	593.6	714.4	723.5
30°	522.3	517.7	515.1	500.5	490.1	490.9	525.3	614.8	761.7	776.4
32.5°	591.4	584.2	577.4	553.3	534.4	528.2	555.7	644.1	813.0	836.4
35°	668.8	663.0	655.7	618.6	589.5	575.1	596.8	685.0	873.0	910.1
37.5°	743.3	738.3	741.8	691.8	654.3	633.4	650.6	739.9	947.0	1001.8
40°	820.3	816.5	817.0	769.2	725.4	702.0	715.9	808.8	1031.9	1110.8
42.5°	904.0	901.2	891.6	849.3	800.1	778.3	791.0	888.4	1122.9	1235.0
45°	997.8	996.0	987.1	938.6	882.2	857.7	874.9	976.3	1214.4	1351.8
47.5°	1078.8	1080.3	1079.1	1038.2	979.8	943.8	964.4	1068.0	1299.6	1461.7
50°	1117.8	1125.3	1136.3	1123.6	1087.3	1050.6	1054.6	1156.5	1380.8	1564.7
52.5°	1097.4	1111.6	1141.5	1161.9	1175.9	1168.3	1157.6	1244.4	1457.2	1657.6
55°	1021.5	1041.4	1091.1	1140.3	1211.7	1267.3	1281.3	1341.8	1531.7	1739.5
57.5°	883.2	915.5	960.1	1059.6	1179.9	1315.2	1425.5	1476.9	1610.7	1826.8
60°	646.0	689.3	744.7	892.7	1068.5	1289.6	1548.3	1684.5	1722.9	1940.0
62.5°	413.4	440.2	491.1	630.5	832.6	1158.3	1585.8	1944.0	1913.1	2125.6
65°	283.0	300.2	346.9	425.2	538.2	862.2	1485.2	2138.5	2215.3	2419.8
67.5°	205.7	218.7	258.5	327.1	350.7	510.2	1152.5	2129.6	2509.0	2722.9
70°	150.0	159.2	192.6	258.5	269.8	283.8	698.2	1810.3	2502.6	2803.5
72.5°	111.1	117.5	139.9	200.6	218.4	191.7	345.6	1315.7	2150.5	2535.7
75°	80.4	85.2	101.7	153.5	174.8	146.0	172.4	768.9	1500.0	1783.7
77.5°	61.4	65.1	75.9	112.4	139.9	109.5	107.0	353.7	711.3	714.8
80°	49.3	51.7	57.6	79.1	107.3	82.0	69.7	142.8	224.8	190.2
82.5°	36.3	40.3	48.7	55.6	76.7	56.5	42.5	72.1	85.5	73.5
85°	20.7	23.4	29.4	39.8	49.0	34.5	24.4	32.0	39.8	32.6
87.5°	7.3	9.6	10.3	15.6	21.3	14.3	9.4	9.2	13.1	9.7
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°
439.8	0°	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8	439.8
444.6	2.5°	443.0	442.2	439.0	434.7	430.3	426.0	424.6	421.5	419.5	418.3
455.0	5°	451.9	449.4	441.9	432.4	422.3	411.5	403.9	396.9	391.8	387.0
469.1	7.5°	464.7	460.2	447.3	430.6	412.8	394.8	381.4	371.2	364.4	359.9
485.7	10°	479.5	472.6	452.9	427.9	400.4	374.6	358.8	350.1	345.8	343.4
504.6	12.5°	496.5	486.8	458.6	421.7	381.4	352.0	341.1	338.6	338.8	338.9
528.5	15°	517.5	504.0	463.2	408.2	356.7	334.6	332.7	336.8	341.1	343.2
555.6	17.5°	541.2	522.1	464.0	385.9	332.5	323.5	329.5	338.4	345.0	347.8
585.8	20°	566.7	540.6	458.3	354.4	312.6	314.4	325.2	336.7	343.8	347.5
620.4	22.5°	595.8	560.3	444.6	321.2	296.4	304.5	317.3	328.4	335.9	339.5
661.0	25°	629.1	582.5	423.1	293.4	282.4	293.4	306.1	315.4	321.4	324.7
706.3	27.5°	666.0	605.6	394.5	271.3	270.1	281.9	292.4	299.6	302.8	305.3
754.6	30°	703.1	626.6	359.8	254.5	259.5	270.6	278.1	281.3	282.2	282.7
808.4	32.5°	743.3	644.7	323.3	240.7	249.3	259.6	264.1	265.5	261.1	258.0
873.6	35°	791.8	664.1	287.7	229.7	239.3	248.2	249.6	248.3	243.1	236.9
955.4	37.5°	851.8	688.3	259.2	221.9	229.9	235.8	234.0	233.7	234.2	226.8
1053.8	40°	925.4	719.8	238.3	215.9	222.2	223.5	218.6	221.3	223.7	212.5
1161.8	42.5°	1007.0	757.9	225.1	211.7	215.9	212.8	205.2	208.2	207.9	193.3
1270.2	45°	1090.3	799.3	220.5	208.7	210.0	203.9	195.5	196.3	189.6	176.4
1374.1	47.5°	1173.1	843.7	223.3	206.1	202.6	195.8	189.3	185.8	175.9	166.0
1473.8	50°	1254.2	890.3	233.8	201.1	192.6	188.6	183.9	177.7	167.1	158.7
1568.0	52.5°	1329.5	937.3	245.6	192.6	180.0	182.4	179.4	172.2	161.9	153.3
1657.2	55°	1400.9	984.3	250.2	181.0	168.3	177.0	175.3	162.1	149.6	142.6
1750.4	57.5°	1478.5	1040.8	245.2	166.2	158.7	170.8	164.1	149.5	142.3	137.1
1871.9	60°	1586.2	1129.4	234.2	147.9	149.6	161.6	150.1	144.1	136.3	130.4
2054.0	62.5°	1764.9	1294.8	216.5	129.7	139.0	147.9	143.4	137.4	129.4	123.7
2365.4	65°	2029.2	1524.7	183.2	115.6	127.0	134.5	136.3	130.2	121.9	115.9
2638.2	67.5°	2252.0	1668.9	138.7	103.8	114.8	123.7	128.6	122.7	114.0	108.1
2702.1	70°	2239.8	1564.2	105.9	92.2	104.0	113.0	119.4	114.8	105.4	99.8
2454.4	72.5°	1989.4	1308.5	85.6	80.4	93.0	101.9	109.5	106.0	96.5	91.1
1798.0	75°	1461.5	928.9	68.5	68.5	79.3	90.3	98.7	96.5	87.7	83.9
754.9	77.5°	616.1	389.7	53.6	56.8	65.9	77.5	88.0	88.8	81.2	86.0
199.6	80°	163.8	107.5	40.9	44.7	51.7	64.0	76.6	76.3	68.0	63.5
74.2	82.5°	62.4	42.3	29.1	31.5	37.4	49.0	60.7	62.6	54.3	47.0
29.1	85°	24.0	18.1	18.0	18.9	21.8	32.5	45.8	47.4	40.9	34.7
8.1	87.5°	6.2	5.4	6.7	6.4	10.0	17.4	26.3	27.2	25.0	14.5
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>
439.8
419.6
388.9
360.9
344.0
339.2
343.1
348.5
348.5
340.5
325.7
306.3
283.8
259.0
237.2
227.3
212.8
193.1
176.9
166.0
158.1
153.5
142.0
136.6
130.1
123.7
116.2
108.2
100.3
91.1
82.8
78.0
59.1
47.0
35.8
20.7
0.0

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