

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: P852048

Luminaire Tested: **GLAN-SB1A-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852048
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-SB1A-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2657 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

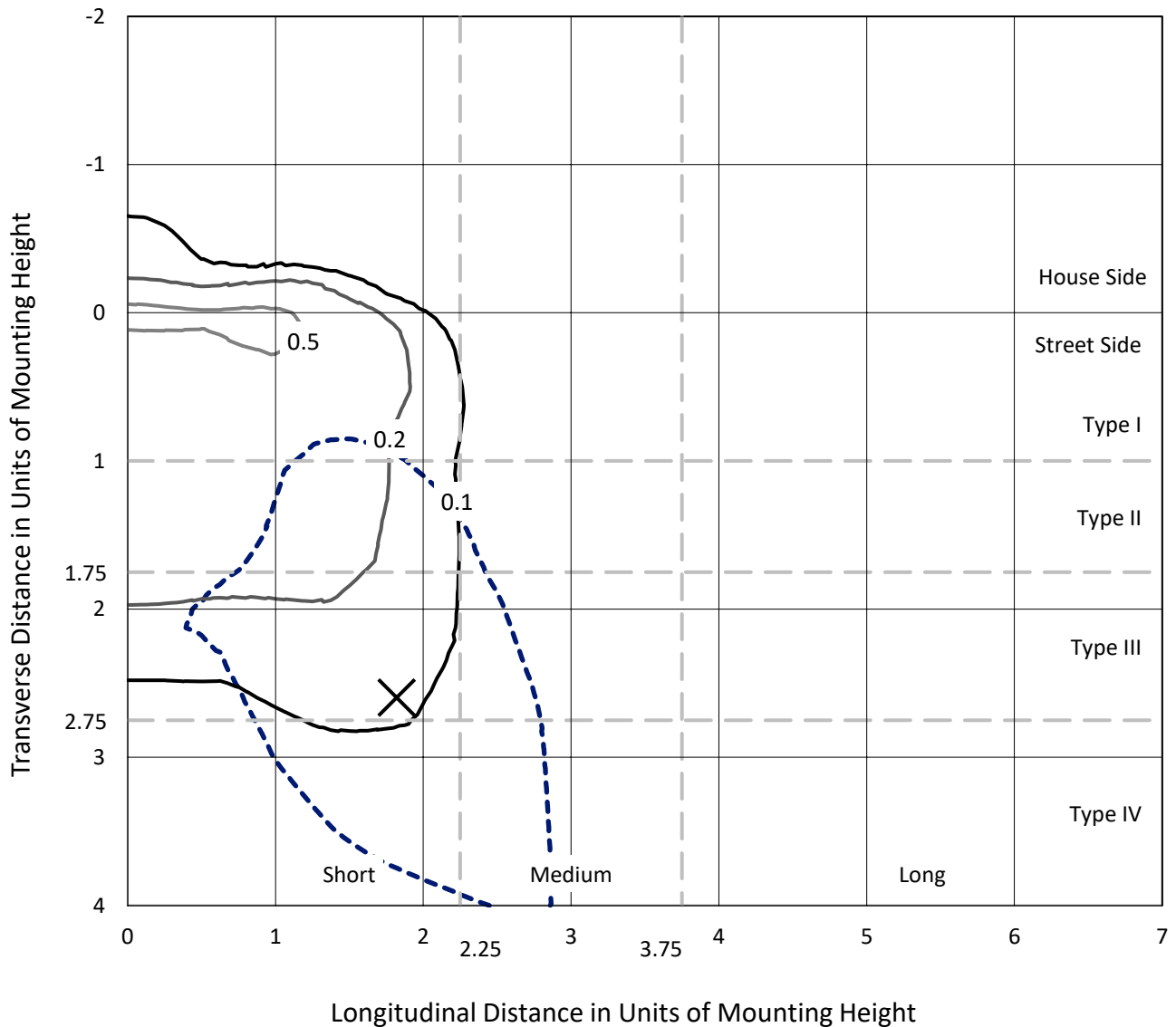
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

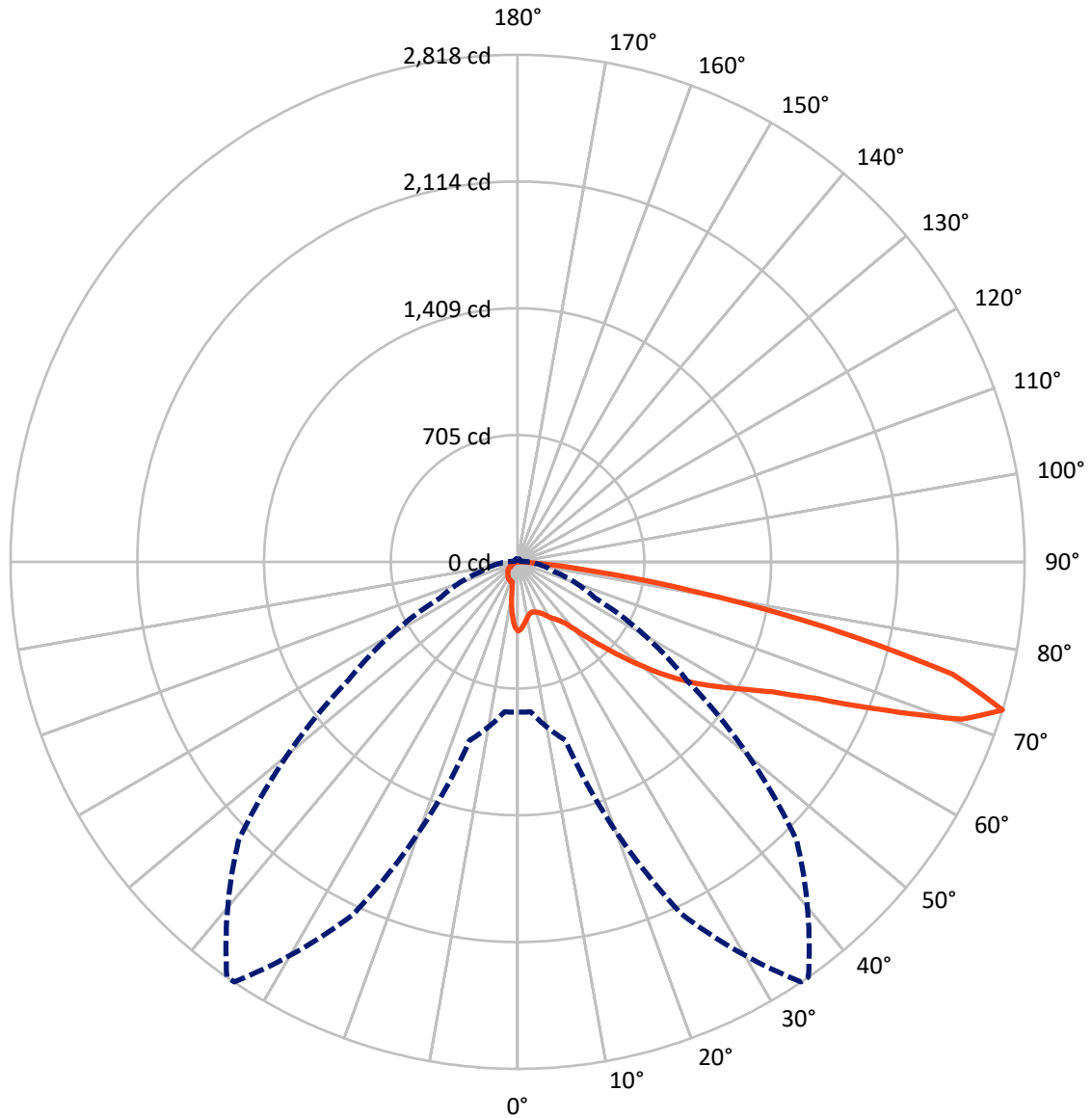
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	299.0	0.0	299.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	2358.0	0.0	2358.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	2657.0	0.0	2657.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.6	1.2
10°-20°	74.0	2.8
20°-30°	120.3	4.5
30°-40°	200.6	7.6
40°-50°	379.6	14.3
50°-60°	603.2	22.7
60°-70°	746.2	28.1
70°-80°	463.9	17.5
80°-90°	37.5	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°	2657.0	100.0
0°-180°	2657.0	100.0

Coefficient of Utilization



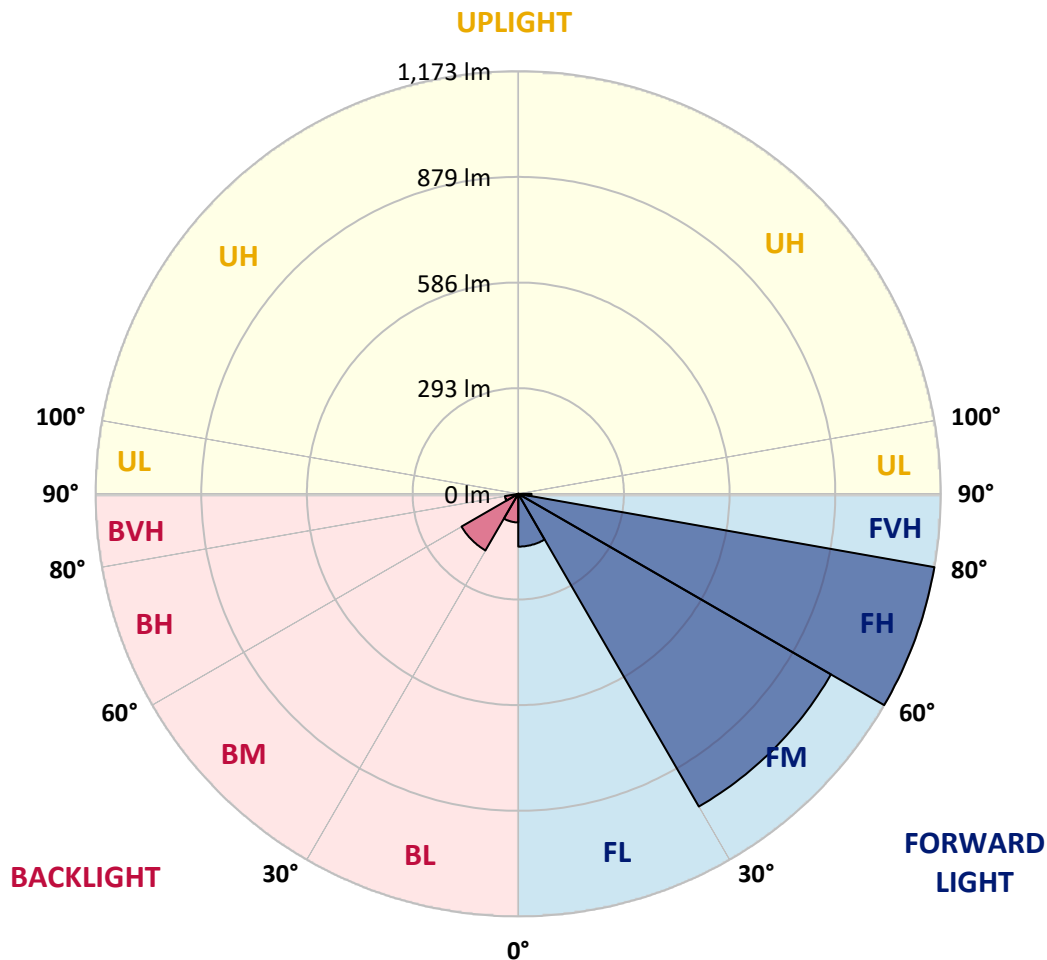
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	146.5	5.5			
FM	(30°-60°)	1002.0	37.7			
FH	(60°-80°)	1172.6	44.1			G1/1800
FVH	(80°-90°)	37.0	1.4			G1/100
BL	(0°-30°)	79.5	3.0	B0/110		
BM	(30°-60°)	181.5	6.8	B0/220		
BH	(60°-80°)	37.5	1.4	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	385.1	385.1	385.1	385.1	385.1	385.1	385.1	385.1	385.1	385.1
2.5°	368.0	371.1	371.7	372.6	372.6	373.8	375.7	378.5	382.9	385.3
5°	339.1	341.5	344.4	346.7	351.2	351.8	359.4	366.8	377.1	384.9
7.5°	310.1	312.9	316.8	322.4	328.2	330.0	341.5	353.9	370.3	384.9
10°	289.7	289.9	293.4	299.0	308.4	310.5	324.5	342.3	362.7	382.6
12.5°	278.2	279.6	281.1	285.4	294.4	295.7	310.7	331.5	355.1	381.2
15°	278.2	279.2	280.2	282.3	289.5	290.7	303.9	324.7	351.2	381.8
17.5°	281.1	282.7	281.9	284.4	292.0	292.8	304.5	322.8	351.0	385.5
20°	288.1	289.3	287.7	289.3	296.9	298.5	310.5	326.5	354.3	391.9
22.5°	299.2	299.8	296.1	297.3	305.1	307.0	321.0	337.0	362.3	402.2
25°	313.2	314.4	308.8	310.1	317.5	319.9	336.0	352.8	375.0	416.4
27.5°	329.4	330.0	325.1	324.9	334.5	337.8	354.1	372.2	391.9	434.3
30°	347.9	349.7	345.0	344.2	356.3	359.0	375.2	396.2	416.8	461.2
32.5°	362.5	363.9	361.1	363.1	375.4	377.5	400.7	430.1	456.0	499.4
35°	383.5	384.3	378.1	381.6	395.6	401.1	435.5	477.6	505.2	547.3
37.5°	459.7	459.7	433.2	415.8	429.3	434.1	483.2	537.3	566.0	611.5
40°	565.0	563.2	524.5	489.1	487.3	496.8	551.2	612.7	644.4	688.6
42.5°	677.3	674.6	621.8	586.8	580.9	584.3	629.6	705.5	737.9	782.6
45°	777.0	776.2	727.9	680.8	670.3	680.8	727.5	814.2	837.3	884.5
47.5°	860.5	860.5	825.3	794.5	789.1	795.3	860.1	934.7	932.5	992.9
50°	956.7	955.9	922.4	909.2	914.8	923.6	1012.8	1061.6	1031.1	1099.4
52.5°	1024.0	1028.7	1017.2	1015.1	1043.9	1059.1	1167.7	1185.8	1119.2	1200.4
55°	1077.4	1082.8	1096.1	1111.1	1166.6	1186.4	1317.8	1303.6	1193.0	1288.0
57.5°	1152.9	1145.1	1165.6	1195.2	1284.9	1308.9	1463.3	1414.8	1252.4	1359.1
60°	1244.6	1245.8	1249.3	1286.7	1403.1	1433.9	1606.5	1519.9	1290.6	1402.7
62.5°	1354.8	1356.6	1363.8	1421.2	1561.8	1590.8	1759.2	1606.0	1308.1	1390.4
65°	1347.2	1354.6	1435.0	1631.5	1803.0	1831.6	1937.3	1666.3	1281.6	1278.3
67.5°	1227.3	1239.4	1373.9	1882.6	2166.7	2198.6	2152.6	1678.2	1167.3	994.1
70°	1070.0	1074.3	1236.1	2108.4	2587.8	2620.1	2345.4	1547.6	885.8	554.5
72.5°	835.6	836.6	1026.4	2160.8	2816.3	2818.1	2194.1	1148.8	476.4	213.0
75°	596.9	591.1	687.4	1752.4	2477.8	2497.6	1644.9	538.9	182.0	100.7
77.5°	320.1	326.5	389.0	1039.2	1711.7	1745.6	897.5	155.4	92.7	68.5
80°	98.9	104.4	159.4	475.8	969.5	990.0	332.7	69.1	64.6	48.9
82.5°	31.1	32.3	74.4	199.9	402.4	411.8	96.4	39.1	44.2	32.3
85°	9.0	9.2	33.1	74.6	99.5	101.4	27.1	15.2	25.3	20.1
87.5°	1.0	3.1	12.5	12.5	8.8	8.6	2.9	3.3	7.2	2.5
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°
385.1	0°	385.1	385.1	385.1	385.1	385.1	385.1	385.1	385.1	385.1	385.1
386.8	2.5°	385.9	386.1	383.5	379.2	374.6	370.7	365.8	361.9	359.2	358.4
390.3	5°	388.6	387.2	380.0	367.0	351.4	338.0	323.0	311.1	303.3	300.0
394.0	7.5°	392.7	388.8	373.0	347.3	317.5	291.1	264.2	243.4	230.1	223.5
397.5	10°	396.2	388.4	361.3	318.9	273.3	233.2	197.0	171.9	157.9	151.3
401.6	12.5°	399.5	388.2	346.2	285.2	223.5	174.4	140.8	128.3	124.4	123.0
408.3	15°	405.7	388.8	327.1	246.7	173.9	131.8	119.5	119.3	120.1	119.7
418.4	17.5°	414.3	389.4	305.5	205.8	134.1	116.2	115.6	117.4	118.6	118.0
431.0	20°	425.4	391.7	282.5	165.3	115.3	112.3	113.7	115.3	116.2	115.3
448.0	22.5°	441.0	395.8	257.4	132.8	109.2	110.0	111.2	112.9	113.9	112.5
469.6	25°	460.0	402.2	232.6	115.4	106.3	107.3	109.0	111.0	112.1	110.8
496.8	27.5°	484.8	412.5	209.9	111.6	103.4	104.0	106.5	109.4	111.0	109.2
535.6	30°	520.6	429.5	190.2	113.3	101.6	100.3	103.8	107.9	109.6	108.1
588.3	32.5°	568.1	453.4	178.1	116.0	100.8	96.0	99.3	104.5	107.5	106.5
657.3	35°	630.4	489.8	173.5	119.1	100.3	91.5	93.8	99.5	104.5	105.5
744.1	37.5°	705.9	540.4	174.8	120.5	98.5	87.8	89.0	93.8	100.5	103.6
841.8	40°	791.8	599.4	182.6	119.1	96.6	84.7	84.9	88.6	94.4	99.1
947.0	42.5°	880.4	668.4	197.0	114.1	94.8	82.0	81.4	83.9	87.8	91.1
1051.9	45°	964.7	739.2	211.2	107.1	92.7	79.2	77.9	78.8	79.6	81.0
1154.1	47.5°	1038.3	789.1	207.1	100.7	89.8	76.1	73.8	73.4	71.1	70.9
1245.4	50°	1089.1	800.0	184.0	94.2	85.5	72.6	68.9	66.6	62.5	60.5
1313.7	52.5°	1105.2	756.9	150.3	87.8	78.5	67.9	62.7	59.0	53.9	52.2
1353.1	55°	1083.8	672.6	120.1	80.0	68.7	61.7	55.9	51.0	46.9	44.8
1357.3	57.5°	1031.4	565.4	95.0	70.9	58.4	54.7	48.9	44.0	40.5	38.4
1309.8	60°	944.6	448.9	75.1	60.0	49.8	47.1	41.1	38.0	34.8	32.3
1187.2	62.5°	812.8	320.5	59.0	47.5	41.7	38.5	35.0	32.7	29.0	25.5
966.6	65°	634.3	196.0	45.6	34.8	33.5	31.9	29.8	27.6	23.2	19.7
630.6	67.5°	400.1	92.9	32.5	26.3	26.5	25.7	24.7	23.0	19.7	16.5
282.5	70°	176.2	45.0	21.4	20.1	19.7	19.7	20.4	19.9	16.7	13.8
98.1	72.5°	60.0	24.1	16.0	15.2	14.2	14.0	17.1	16.5	13.4	10.7
48.9	75°	31.3	16.2	11.7	10.9	8.6	10.3	13.6	12.8	9.5	7.0
32.3	77.5°	20.4	11.5	8.0	7.0	4.9	6.8	10.1	9.0	5.6	3.5
21.2	80°	12.8	7.6	4.7	3.3	2.3	3.7	5.5	3.9	2.1	0.8
12.5	82.5°	6.8	3.9	1.8	1.2	1.0	1.2	1.4	1.0	0.4	0.0
6.4	85°	2.7	1.4	0.6	0.4	0.2	0.0	0.4	0.2	0.0	0.0
1.2	87.5°	1.0	0.2	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°
385.1
359.8
301.2
224.5
151.5
122.7
119.5
117.8
115.1
112.3
110.6
109.2
107.9
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105.5
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92.5
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