

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: P845812

Luminaire Tested: **GLAN-SB1A-927-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-927-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2017 lumens
Efficiency: N/A
Efficacy: 65.3 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

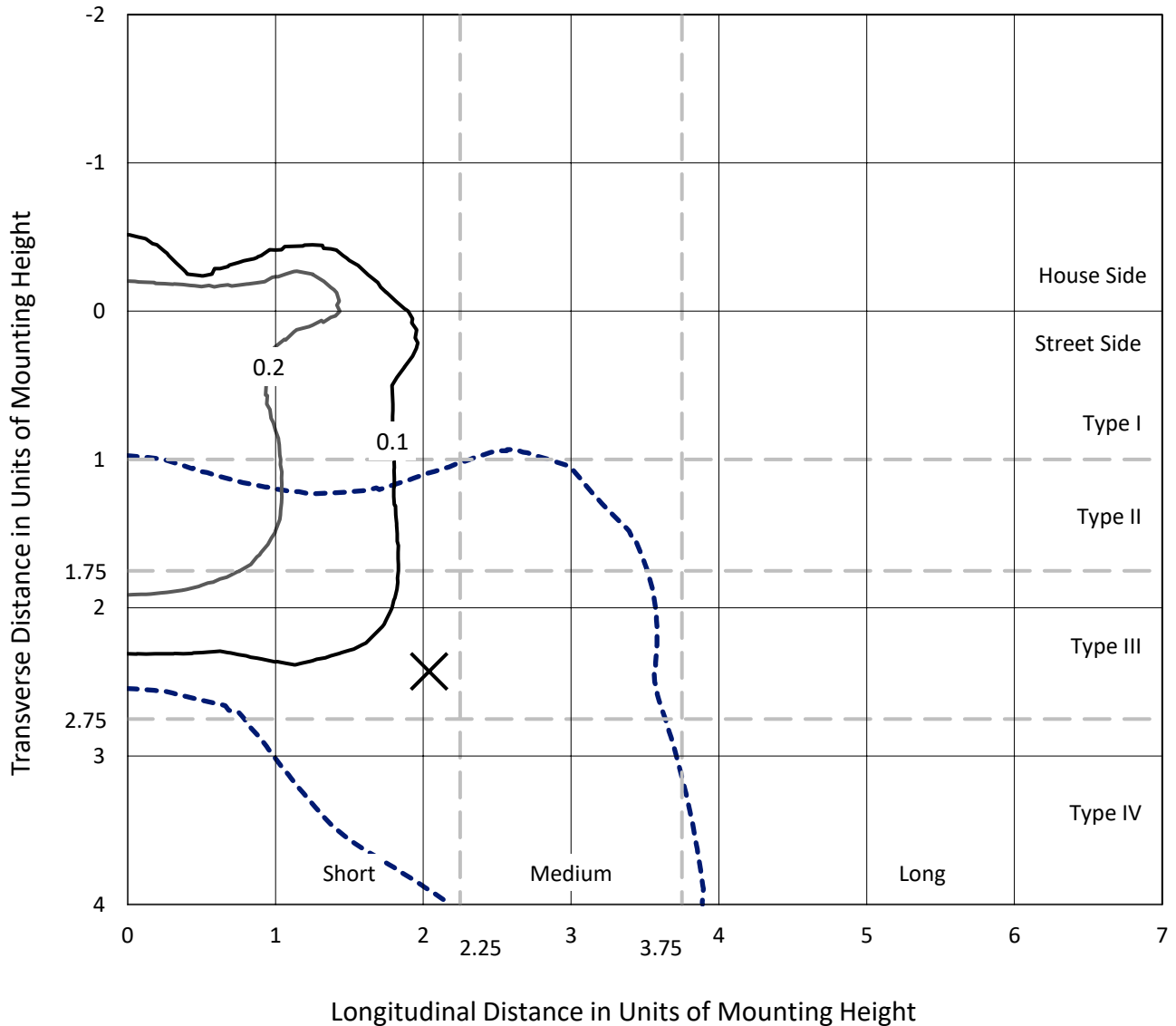
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

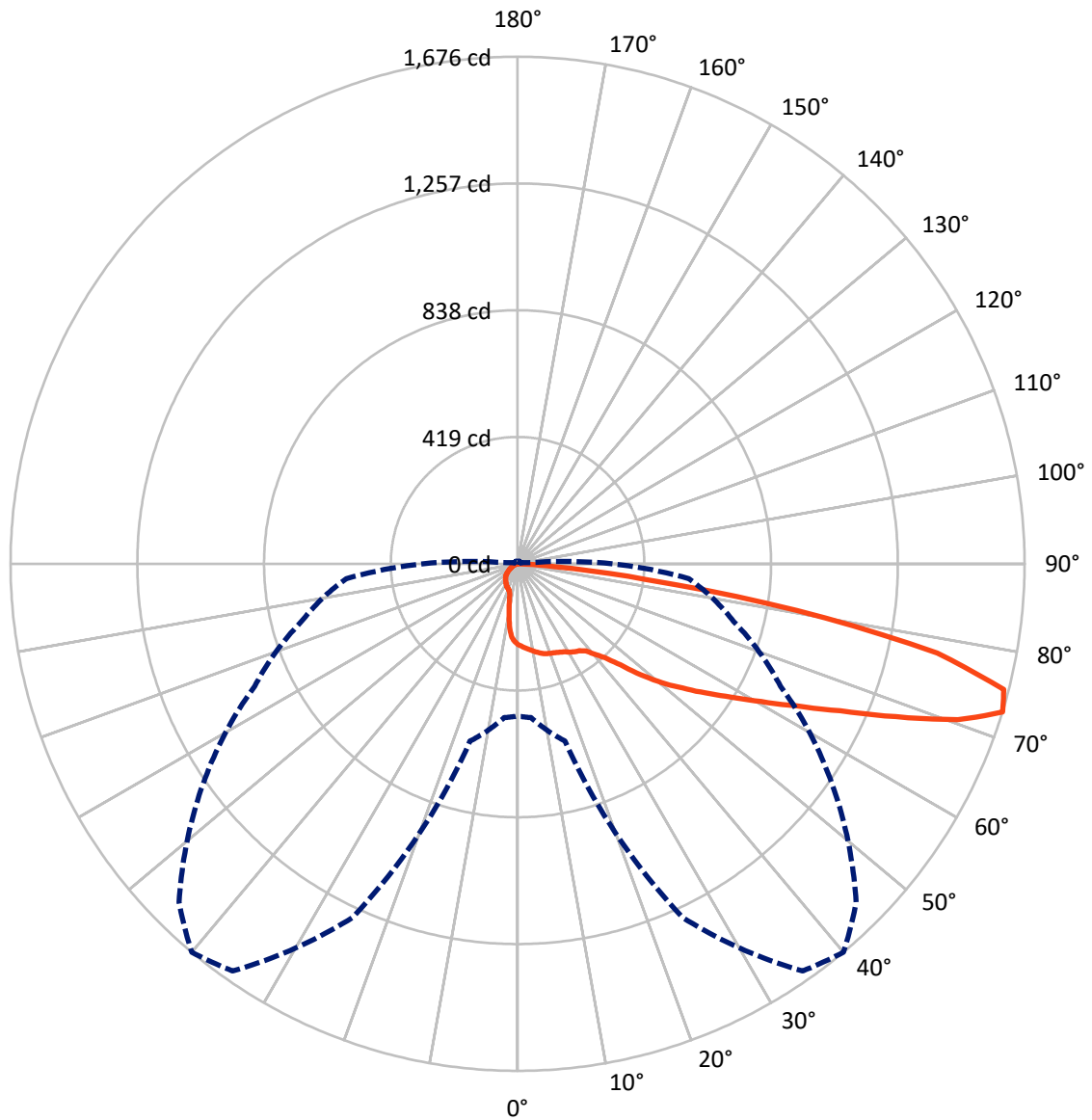
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	260.5	0.0	260.5
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	1756.5	0.0	1756.5
	% Fixture	87.1	0.0	87.1
Total	Lumens	2017.0	0.0	2017.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	1.2
10°-20°	66.2	3.3
20°-30°	107.2	5.3
30°-40°	158.2	7.8
40°-50°	266.3	13.2
50°-60°	413.5	20.5
60°-70°	517.4	25.7
70°-80°	423.6	21.0
80°-90°	40.2	2.0
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°	2017.0	100.0
0°-180°	2017.0	100.0

Coefficient of Utilization



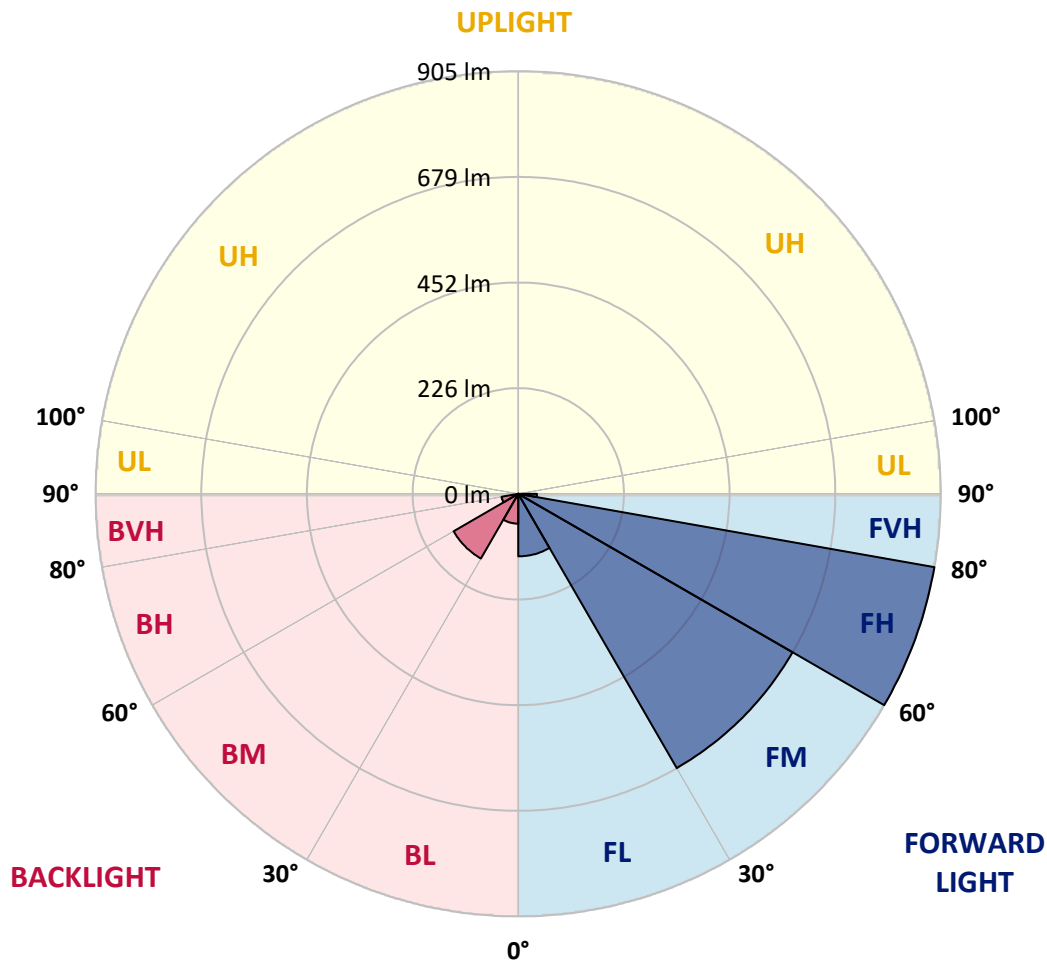
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.9	6.6			
FM (30°-60°)	678.1	33.6			
FH (60°-80°)	904.7	44.9			G1/1800
FVH (80°-90°)	39.9	2.0			G1/100
BL (0°-30°)	63.9	3.2	B0/110		
BM (30°-60°)	159.9	7.9	B0/220		
BH (60°-80°)	36.3	1.8	B0/110		G0/110
BVH (80°-90°)	0.3	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°	35°	40°	45°	55°	65°	75°
0°	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1
2.5°	275.1	276.2	275.6	274.4	274.1	273.4	272.7	272.4	271.3	270.4
5°	282.9	283.9	283.2	281.5	280.7	280.0	278.9	278.0	275.9	273.9
7.5°	291.4	292.3	291.4	288.9	287.7	286.8	285.3	283.9	281.5	278.6
10°	300.8	301.6	300.2	297.0	295.0	293.7	292.3	290.8	288.5	285.3
12.5°	309.6	310.5	308.4	304.6	302.3	300.9	299.4	298.2	295.9	292.9
15°	317.7	319.0	315.4	311.3	308.7	307.6	306.1	305.3	303.8	301.7
17.5°	323.7	324.6	320.8	316.0	313.1	312.3	311.3	311.7	311.4	310.4
20°	328.9	329.5	324.5	318.6	315.4	315.5	315.2	316.7	317.4	317.4
22.5°	335.3	335.4	329.0	321.6	317.8	318.9	319.3	321.0	322.2	323.4
25°	343.6	343.3	335.7	325.6	322.2	323.7	324.8	325.4	326.8	328.7
27.5°	356.1	355.2	345.5	331.9	328.0	329.4	331.3	331.0	330.4	331.9
30°	371.9	370.7	357.8	340.9	337.3	338.5	339.1	336.3	331.9	333.3
32.5°	397.0	394.8	376.9	350.9	345.3	346.7	345.9	340.3	333.8	335.1
35°	440.6	435.4	410.0	371.9	354.4	352.9	351.1	345.6	337.6	336.2
37.5°	533.2	524.1	480.8	412.8	375.1	365.2	359.6	354.1	341.7	336.2
40°	637.7	628.5	578.5	481.1	409.4	392.7	379.3	364.1	345.9	338.2
42.5°	746.8	736.6	685.3	565.9	458.5	424.1	399.2	372.2	352.9	344.2
45°	868.7	855.9	788.7	654.3	529.7	476.4	431.3	388.8	365.1	355.0
47.5°	997.2	980.6	891.9	740.1	606.4	548.7	489.9	418.4	383.0	371.1
50°	1111.1	1094.7	998.4	829.9	678.2	617.5	556.8	459.4	409.9	393.9
52.5°	1193.0	1180.5	1095.3	922.6	752.7	682.1	617.4	507.1	443.9	423.1
55°	1247.8	1236.4	1164.0	1010.4	839.5	753.2	677.1	558.9	484.9	458.0
57.5°	1281.1	1274.6	1213.7	1088.8	925.5	831.0	745.4	615.9	533.2	499.2
60°	1293.0	1287.6	1244.5	1163.5	1029.4	924.4	825.8	680.1	591.9	546.0
62.5°	1261.4	1262.4	1266.7	1252.1	1138.9	1033.8	922.1	757.3	656.9	599.0
65°	1112.6	1121.4	1202.3	1350.2	1284.0	1170.8	1044.7	851.5	731.3	659.3
67.5°	921.2	934.0	1034.5	1407.6	1438.6	1348.7	1215.5	971.5	820.0	720.7
70°	705.2	718.9	840.7	1395.6	1583.4	1543.2	1426.6	1124.2	911.9	763.2
72.5°	503.3	510.3	606.3	1288.8	1642.8	1675.6	1582.2	1268.8	958.9	739.7
75°	353.7	352.4	416.1	1037.9	1550.3	1659.5	1527.7	1190.6	867.7	587.6
77.5°	154.0	154.3	207.8	630.3	1237.4	1417.4	1269.9	745.8	604.9	311.4
80°	40.0	41.2	76.3	251.0	745.0	935.5	774.5	327.8	279.5	76.0
82.5°	14.1	15.0	35.1	78.8	274.8	429.0	344.8	104.8	72.9	21.7
85°	4.1	4.9	18.8	24.2	56.8	121.2	83.7	20.4	17.9	11.2
87.5°	0.0	0.6	3.8	3.3	3.3	2.3	4.3	2.3	2.9	1.4
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°
267.1	0°	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1	267.1
269.3	2.5°	268.4	267.4	265.1	262.7	260.4	258.3	257.6	255.4	254.3	254.5
271.5	5°	269.8	267.8	263.4	258.1	252.6	246.4	241.2	233.9	227.7	227.0
275.6	7.5°	273.4	270.3	263.1	252.8	239.1	221.9	206.0	190.2	181.2	176.4
281.7	10°	279.1	274.8	263.9	244.1	215.1	184.4	160.3	140.4	130.2	125.5
289.1	12.5°	285.8	281.0	265.1	229.4	184.1	143.9	117.7	105.6	103.5	103.2
298.2	15°	295.2	290.0	266.5	209.5	150.5	109.5	97.5	97.7	99.4	100.3
308.1	17.5°	305.7	300.5	264.5	185.2	117.4	93.6	93.3	94.6	97.1	98.0
317.2	20°	316.3	311.4	257.5	156.6	94.9	89.2	90.4	91.9	94.3	95.6
326.2	22.5°	327.2	323.0	246.4	126.2	85.7	86.0	87.5	89.0	91.8	93.1
335.0	25°	338.9	335.3	231.7	101.2	81.7	82.6	84.6	86.4	89.3	91.0
342.4	27.5°	350.8	348.0	215.0	84.5	78.1	79.1	81.4	83.9	86.7	88.7
348.9	30°	363.7	362.2	201.6	78.2	74.6	75.5	78.1	80.8	84.0	86.4
355.5	32.5°	376.9	376.6	195.1	82.8	71.4	72.0	74.3	77.0	81.0	84.0
361.0	35°	390.0	390.6	191.3	95.7	70.3	68.7	70.2	72.6	77.3	81.1
367.2	37.5°	406.7	408.2	191.1	109.7	72.9	65.3	66.4	68.1	72.2	76.6
376.9	40°	431.6	439.6	200.8	121.7	77.5	62.3	62.6	62.9	65.0	68.7
389.8	42.5°	464.7	488.3	235.9	129.9	79.3	59.6	58.5	56.8	56.5	58.5
407.4	45°	505.9	547.0	297.6	134.4	77.5	56.5	53.6	49.2	47.5	48.9
431.3	47.5°	554.3	611.5	370.7	135.5	74.4	52.7	47.5	41.8	40.4	40.9
463.3	50°	601.6	659.8	434.9	126.7	69.4	47.9	40.9	36.0	35.1	35.2
501.2	52.5°	643.4	676.3	453.2	105.9	62.7	41.9	35.1	31.8	31.1	31.1
542.9	55°	671.0	658.4	404.1	81.0	54.4	35.9	30.1	28.4	28.1	28.0
589.6	57.5°	676.8	600.1	305.2	58.5	42.5	30.2	26.7	25.8	25.2	24.6
637.4	60°	656.1	502.8	194.3	40.9	31.9	25.8	23.7	23.1	21.9	20.7
682.4	62.5°	611.5	379.8	107.6	28.4	25.7	22.0	21.0	20.2	17.9	16.0
718.1	65°	551.5	252.5	47.5	22.2	21.0	18.5	17.9	16.9	14.1	11.8
731.6	67.5°	491.1	145.4	21.4	17.8	16.9	15.2	14.7	14.0	12.0	9.9
697.1	70°	422.3	73.7	14.7	14.1	13.1	11.5	12.0	11.8	9.9	8.1
568.6	72.5°	314.5	36.6	11.1	10.6	9.4	8.2	9.9	9.7	7.7	6.1
350.6	75°	178.0	18.1	8.1	7.4	5.6	6.1	7.9	7.4	5.3	3.9
148.0	77.5°	70.6	9.3	5.3	4.6	3.3	4.1	5.8	5.0	2.7	1.7
28.3	80°	16.3	4.6	2.7	2.0	1.5	2.4	3.0	1.8	0.8	0.2
7.6	82.5°	4.6	2.0	0.9	0.8	0.8	0.9	0.8	0.3	0.0	0.0
2.0	85°	1.5	0.9	0.3	0.2	0.2	0.2	0.2	0.0	0.0	0.0
0.6	87.5°	0.6	0.3	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°
267.1
254.3
226.5
176.1
124.6
103.0
100.1
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95.6
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84.3
81.7
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