

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: P845817

Luminaire Tested: **GLAN-SB1A-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2266 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

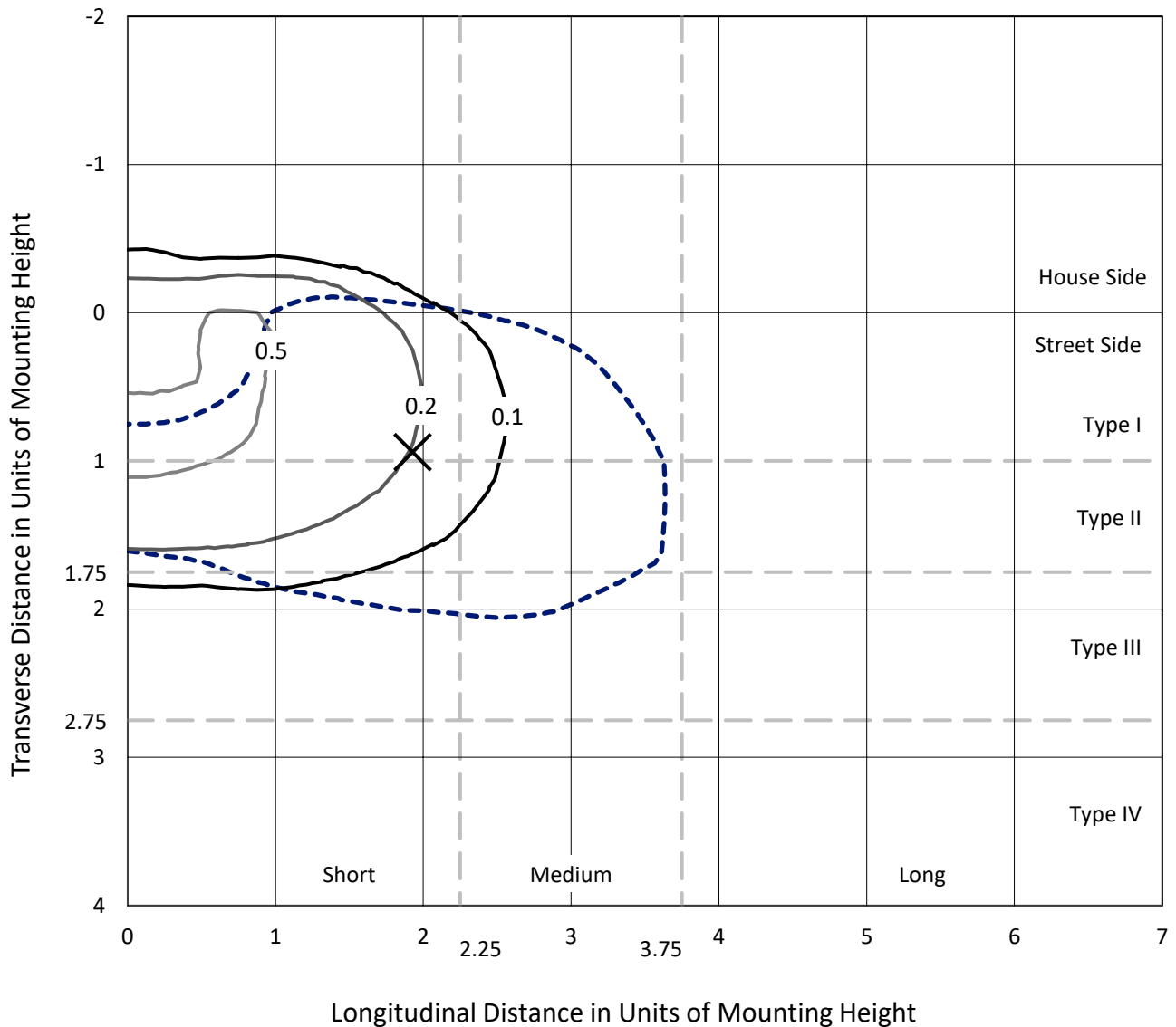
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

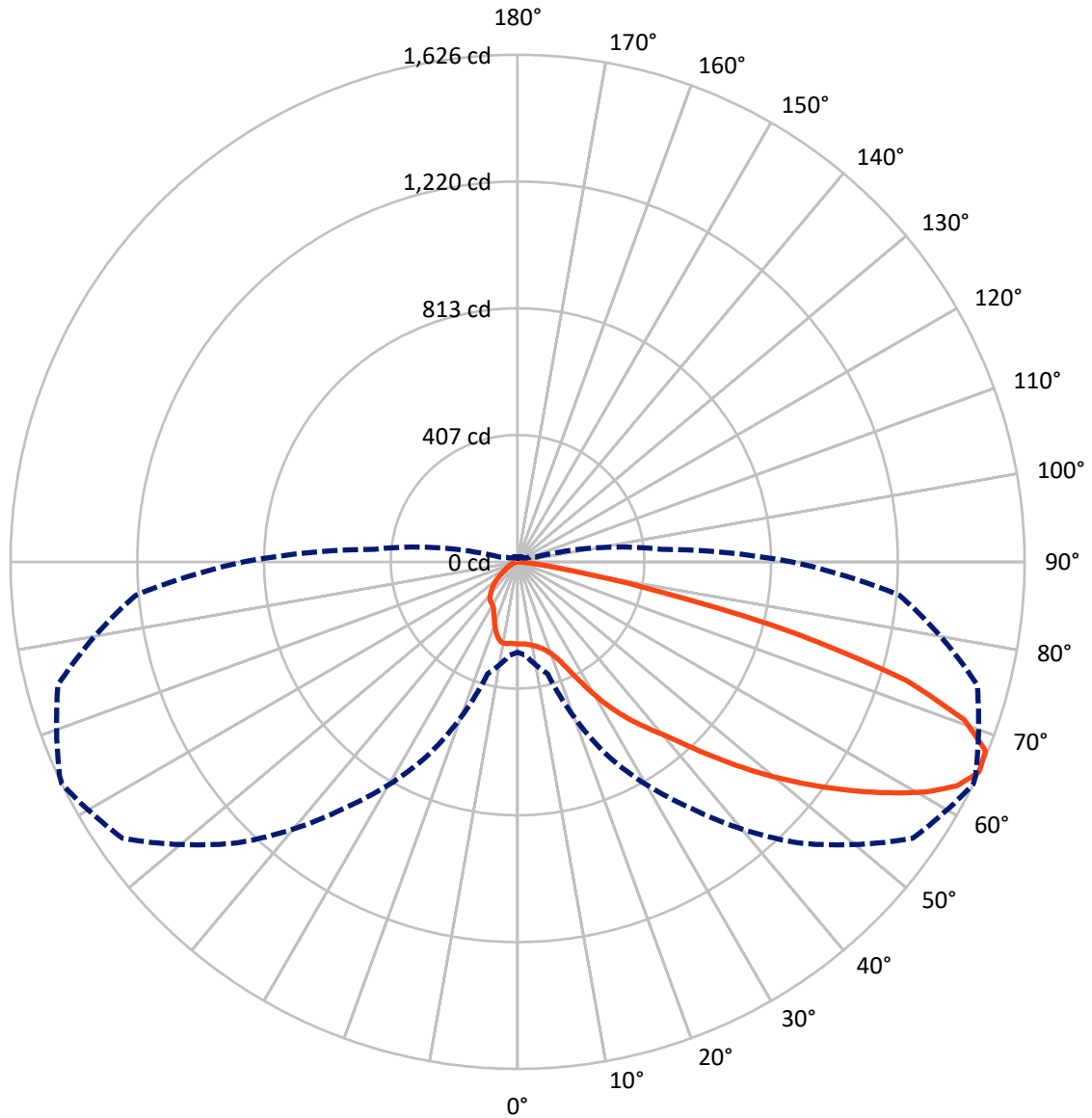
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	303.0	0.0	303.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	1963.0	0.0	1963.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	2266.0	0.0	2266.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	1.1
10°-20°	66.0	2.9
20°-30°	125.0	5.5
30°-40°	252.9	11.2
40°-50°	430.8	19.0
50°-60°	585.9	25.9
60°-70°	550.1	24.3
70°-80°	220.4	9.7
80°-90°	10.7	0.5
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°	2266.0	100.0
0°-180°	2266.0	100.0

Coefficient of Utilization



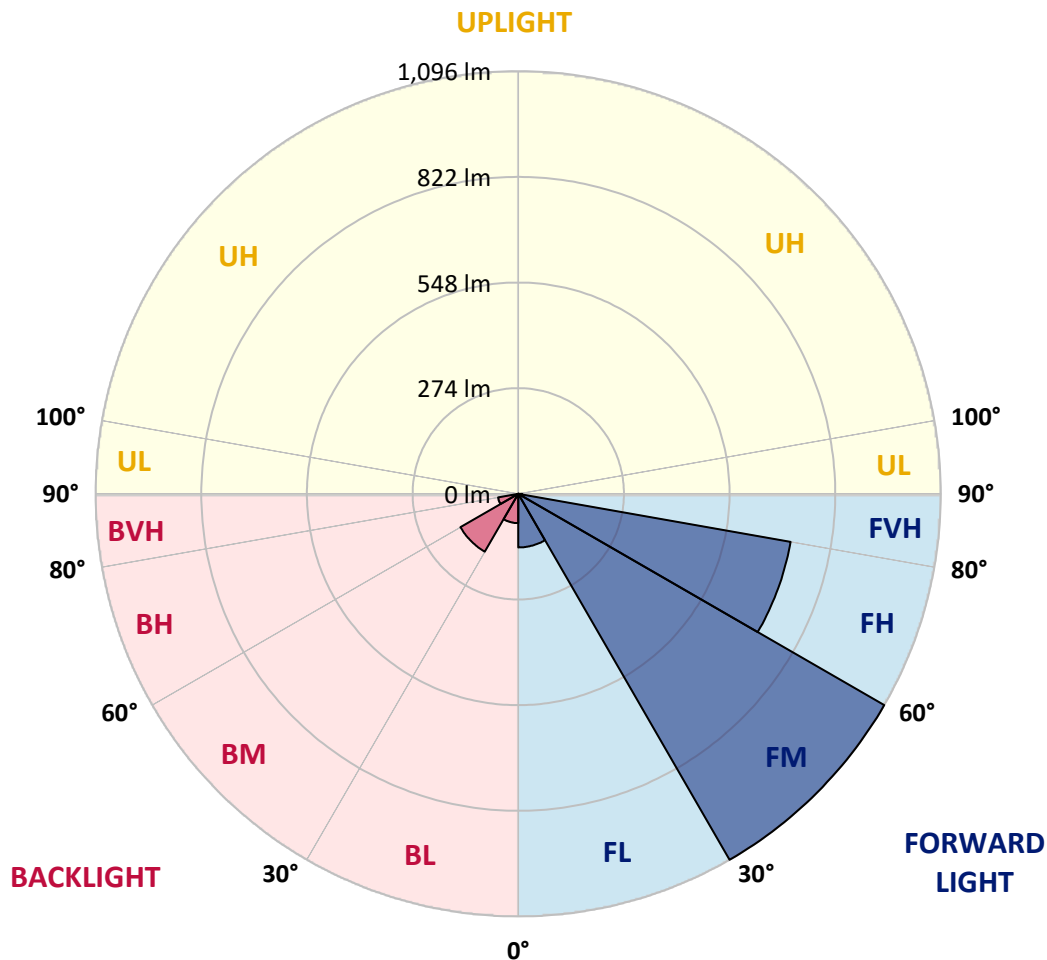
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.2	6.1			
FM (30°-60°)	1096.3	48.4			
FH (60°-80°)	717.4	31.7			G1/1800
FVH (80°-90°)	10.2	0.4			G1/100
BL (0°-30°)	76.1	3.4	B0/110		
BM (30°-60°)	173.2	7.6	B0/220		
BH (60°-80°)	53.2	2.3	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 III Short



REPORT NUMBER: P845817
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
2.5°	262.6	264.5	264.0	263.6	263.4	263.7	263.9	263.7	263.7	263.7
5°	257.6	259.2	259.2	260.2	261.7	263.6	264.9	265.2	265.5	266.0
7.5°	248.1	249.3	250.2	253.7	257.5	262.3	266.4	268.6	268.9	270.5
10°	241.5	243.1	244.6	248.2	253.7	261.0	268.0	273.1	273.9	277.8
12.5°	241.2	242.7	244.7	248.7	255.1	262.8	271.3	278.8	280.1	285.9
15°	244.4	246.2	248.1	252.9	259.8	269.2	278.3	287.6	288.9	297.1
17.5°	251.0	253.4	254.7	259.6	266.9	277.4	289.4	300.0	301.2	310.8
20°	263.9	266.7	267.2	271.2	278.3	289.5	303.8	317.0	318.5	329.5
22.5°	290.6	294.7	291.1	293.0	299.4	310.7	326.1	342.9	345.0	357.4
25°	337.7	343.5	334.0	330.7	333.4	345.1	364.6	385.7	388.1	398.1
27.5°	430.2	422.8	408.5	394.5	386.3	393.0	414.9	441.0	444.0	453.7
30°	531.8	525.3	506.0	475.0	455.6	454.5	474.7	503.9	507.4	516.6
32.5°	633.6	627.4	606.4	568.3	534.6	517.9	531.8	564.2	566.0	571.9
35°	733.7	727.3	706.4	667.3	625.9	587.9	585.1	621.6	622.2	628.4
37.5°	834.4	829.1	806.8	768.5	727.6	675.2	649.9	676.0	676.7	682.8
40°	906.3	908.6	893.2	863.6	828.5	771.2	722.5	733.9	729.3	739.5
42.5°	968.0	972.5	959.1	944.3	923.9	873.5	812.4	810.4	803.1	808.6
45°	1021.3	1025.1	1013.1	1009.6	1009.1	973.7	910.7	898.8	888.7	887.6
47.5°	1040.9	1048.2	1053.3	1065.0	1087.8	1072.9	1012.3	993.9	982.5	974.2
50°	1048.3	1056.1	1073.7	1107.7	1161.6	1168.0	1113.5	1092.8	1078.8	1063.7
52.5°	1038.3	1052.1	1075.8	1133.1	1211.3	1244.3	1210.6	1192.5	1176.5	1151.8
55°	979.2	993.0	1041.5	1132.8	1236.1	1297.7	1302.3	1294.3	1276.3	1237.3
57.5°	854.6	875.1	951.9	1094.2	1235.6	1343.8	1392.2	1398.0	1378.0	1322.1
60°	682.1	709.9	803.4	1008.7	1197.5	1368.7	1471.1	1499.9	1478.7	1405.6
62.5°	475.9	508.1	596.7	874.7	1110.3	1350.8	1528.6	1582.0	1565.9	1480.3
65°	290.3	300.6	372.0	688.3	962.0	1275.7	1546.4	1626.3	1621.0	1526.1
67.5°	193.4	202.0	222.5	472.0	746.8	1125.8	1503.9	1618.6	1620.1	1518.6
70°	116.5	124.0	137.3	274.5	484.0	891.1	1372.2	1519.8	1528.6	1419.1
72.5°	48.0	53.0	65.2	124.4	250.6	565.6	1092.7	1304.9	1325.4	1193.2
75°	27.2	29.8	38.3	62.4	108.8	263.6	661.9	926.3	956.6	822.4
77.5°	18.1	19.3	24.8	40.4	61.2	89.9	282.9	482.6	540.3	449.2
80°	12.2	13.2	17.0	27.0	39.8	38.6	90.1	178.8	220.0	154.3
82.5°	8.2	8.4	12.2	17.8	25.2	18.7	26.6	55.6	69.9	44.7
85°	4.7	4.6	9.0	10.3	11.2	7.7	8.1	16.7	21.9	18.8
87.5°	0.6	0.9	3.5	2.7	1.5	1.7	1.7	2.9	4.3	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845817
 CATALOG NUMBER: GLAN-SB1A-927-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
263.6	0°	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6	263.6
263.9	2.5°	263.9	263.7	263.3	262.8	261.7	261.1	261.4	261.1	261.0	261.1
265.8	5°	265.8	265.4	264.2	262.6	260.5	257.9	256.3	253.8	251.6	250.2
271.2	7.5°	271.2	270.7	269.0	264.8	257.9	247.2	237.3	228.6	222.1	218.3
279.7	10°	279.7	278.9	276.3	266.9	249.0	225.4	205.8	189.6	178.9	173.9
289.7	12.5°	289.7	288.8	284.2	264.9	232.0	195.2	168.2	150.1	140.2	135.8
301.2	15°	301.5	300.3	291.4	255.5	207.2	161.8	137.0	123.5	117.1	113.2
316.0	17.5°	316.3	314.1	296.7	241.4	180.3	136.3	117.9	107.7	102.1	98.3
335.3	20°	335.4	331.9	300.9	224.5	155.6	120.2	105.0	96.5	92.2	88.9
362.6	22.5°	362.1	357.1	306.1	206.3	138.1	109.1	95.4	89.2	85.7	81.9
400.7	25°	395.3	389.3	312.5	189.4	126.1	99.5	88.4	83.2	79.1	74.7
450.7	27.5°	441.6	431.0	320.1	175.6	115.8	91.3	82.0	76.3	71.5	67.9
507.4	30°	493.2	475.8	326.8	167.3	106.3	83.7	73.7	67.9	63.5	60.9
558.3	32.5°	542.2	518.5	331.2	163.6	97.8	75.0	64.6	58.3	55.0	54.2
608.1	35°	588.3	557.0	330.7	160.1	90.2	66.4	55.6	49.2	46.6	47.1
661.7	37.5°	641.5	598.2	327.5	154.6	84.0	58.5	47.9	42.2	40.0	40.1
726.9	40°	703.3	645.8	325.5	144.3	77.2	51.2	41.5	36.9	35.2	34.6
795.5	42.5°	769.3	691.8	325.8	132.6	68.7	44.7	37.1	33.3	31.7	31.3
871.9	45°	835.5	735.7	326.3	120.5	59.7	39.6	33.9	30.7	29.8	29.2
949.4	47.5°	897.8	773.1	317.8	107.4	50.9	35.9	31.3	29.2	28.4	27.6
1027.2	50°	955.8	798.0	297.3	92.2	43.9	32.8	29.3	27.8	27.0	26.3
1097.7	52.5°	1000.9	801.9	263.4	76.6	39.0	30.5	28.1	26.7	25.8	25.1
1154.6	55°	1021.0	777.2	215.3	62.0	35.2	28.6	26.9	25.5	24.5	23.7
1199.5	57.5°	1015.8	725.1	167.9	49.8	31.6	26.6	25.4	24.5	23.2	22.0
1235.8	60°	990.4	655.3	126.5	41.5	28.3	24.5	23.7	22.9	21.3	19.4
1249.7	62.5°	946.5	567.7	90.2	34.3	24.6	22.0	21.7	21.1	18.7	15.3
1229.1	65°	879.4	461.2	60.8	28.6	21.1	19.3	19.4	18.4	15.2	11.4
1153.4	67.5°	781.3	337.2	38.9	23.4	17.6	16.1	16.3	15.6	12.9	9.7
1010.0	70°	656.2	223.3	25.4	17.8	14.1	12.5	13.4	13.5	10.9	7.9
775.2	72.5°	481.1	131.9	17.8	13.2	10.3	8.7	10.9	11.2	8.8	5.9
466.4	75°	274.2	62.6	13.4	9.6	6.4	6.1	8.5	8.5	6.1	3.9
201.9	77.5°	115.1	26.1	9.4	6.2	3.6	3.5	5.8	5.3	3.0	1.8
49.2	80°	33.3	11.7	5.0	3.0	1.5	1.4	2.3	1.7	0.8	0.3
18.7	82.5°	13.1	5.2	2.0	1.2	0.6	0.6	0.3	0.0	0.0	0.0
10.6	85°	7.7	2.1	0.9	0.5	0.2	0.0	0.0	0.0	0.0	0.0
2.3	87.5°	2.0	0.5	0.3	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°

263.6
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