

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: P852070

Luminaire Tested: **GLAN-SB1A-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852070
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-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 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: 2917 lumens
Efficiency: N/A
Efficacy: 94.4 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

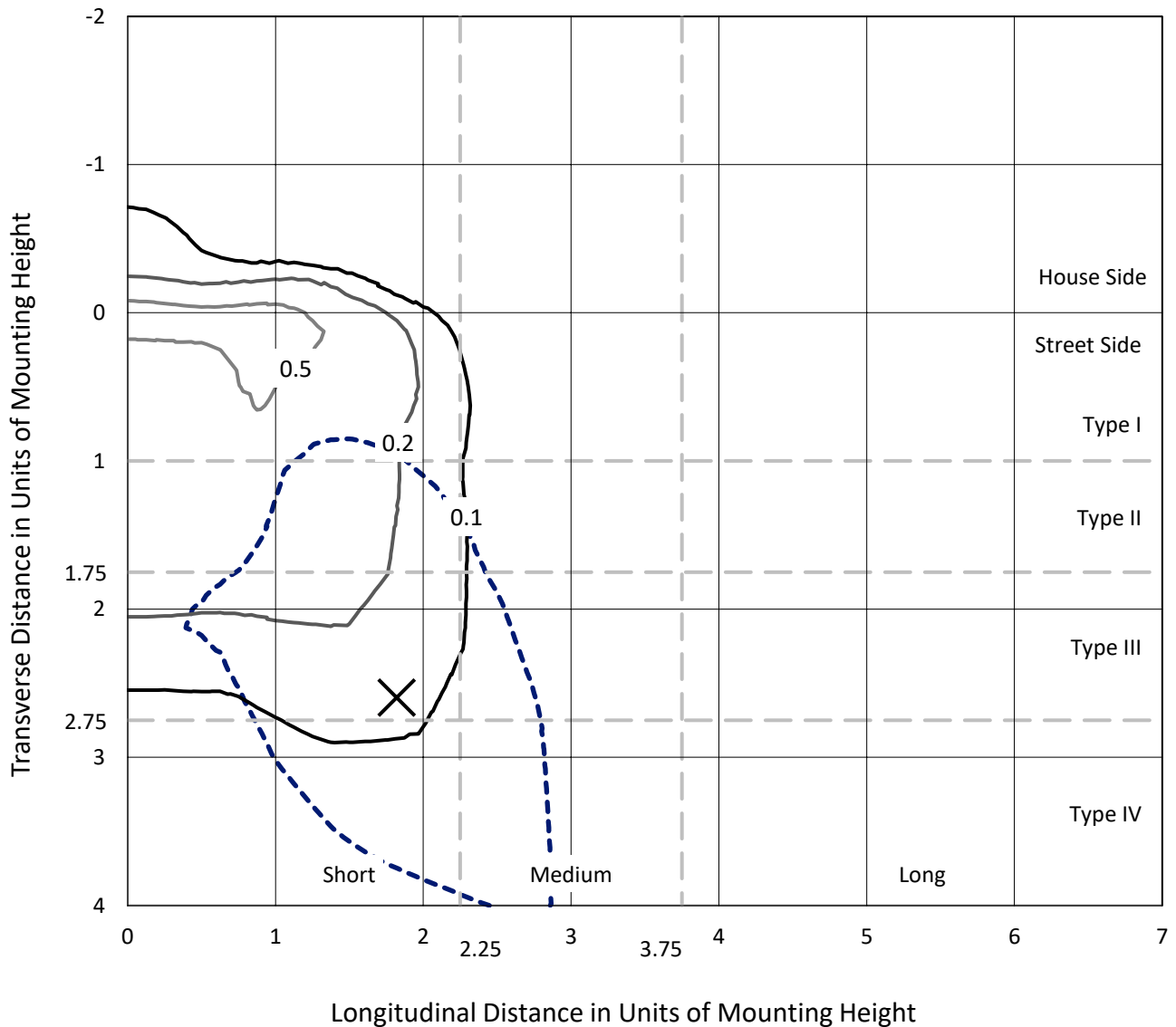
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

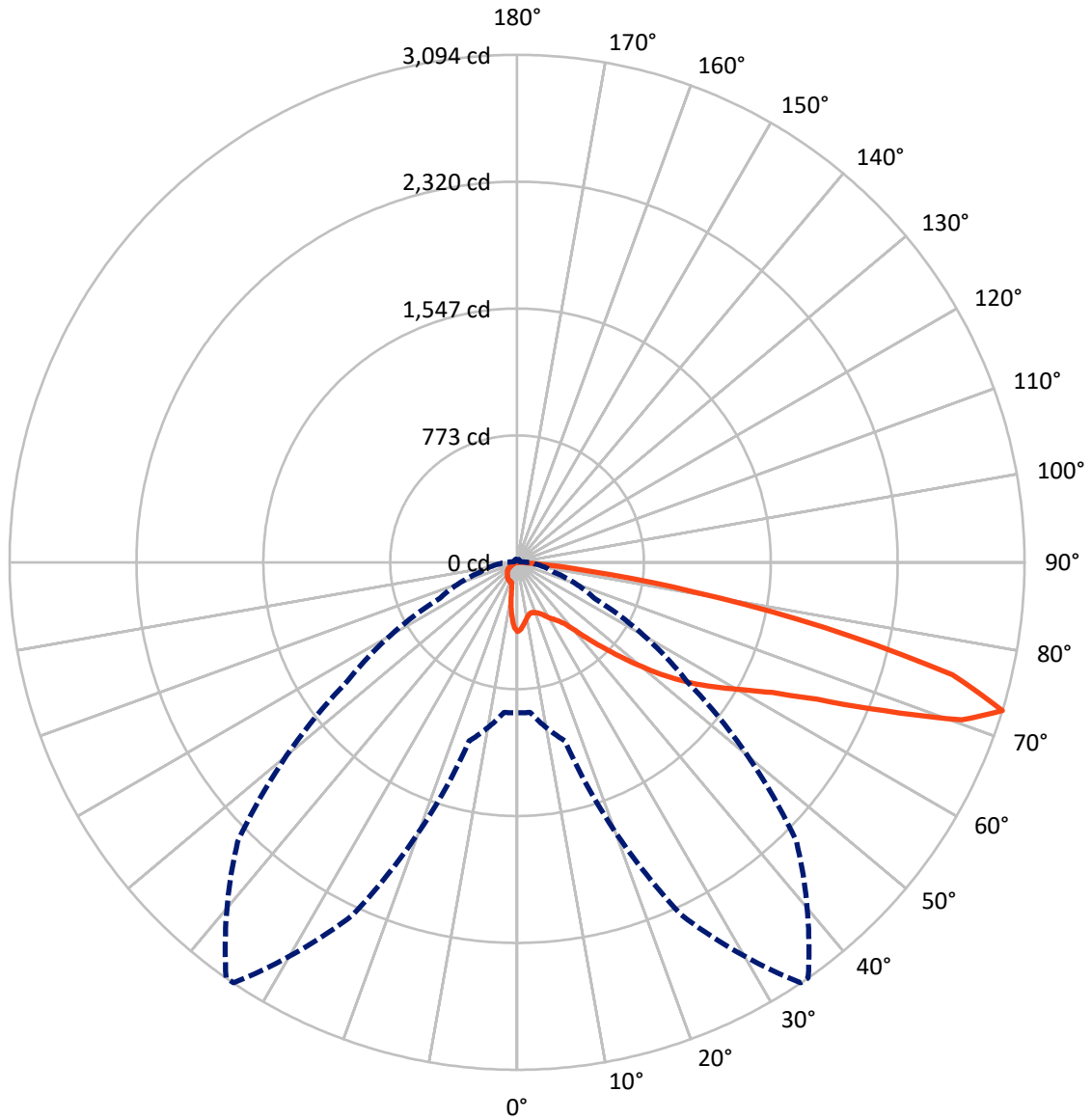
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	328.3	0.0	328.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	2588.7	0.0	2588.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	2917.0	0.0	2917.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	1.2
10°-20°	81.3	2.8
20°-30°	132.0	4.5
30°-40°	220.3	7.6
40°-50°	416.8	14.3
50°-60°	662.3	22.7
60°-70°	819.3	28.1
70°-80°	509.2	17.5
80°-90°	41.2	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°	2917.0	100.0
0°-180°	2917.0	100.0

Coefficient of Utilization



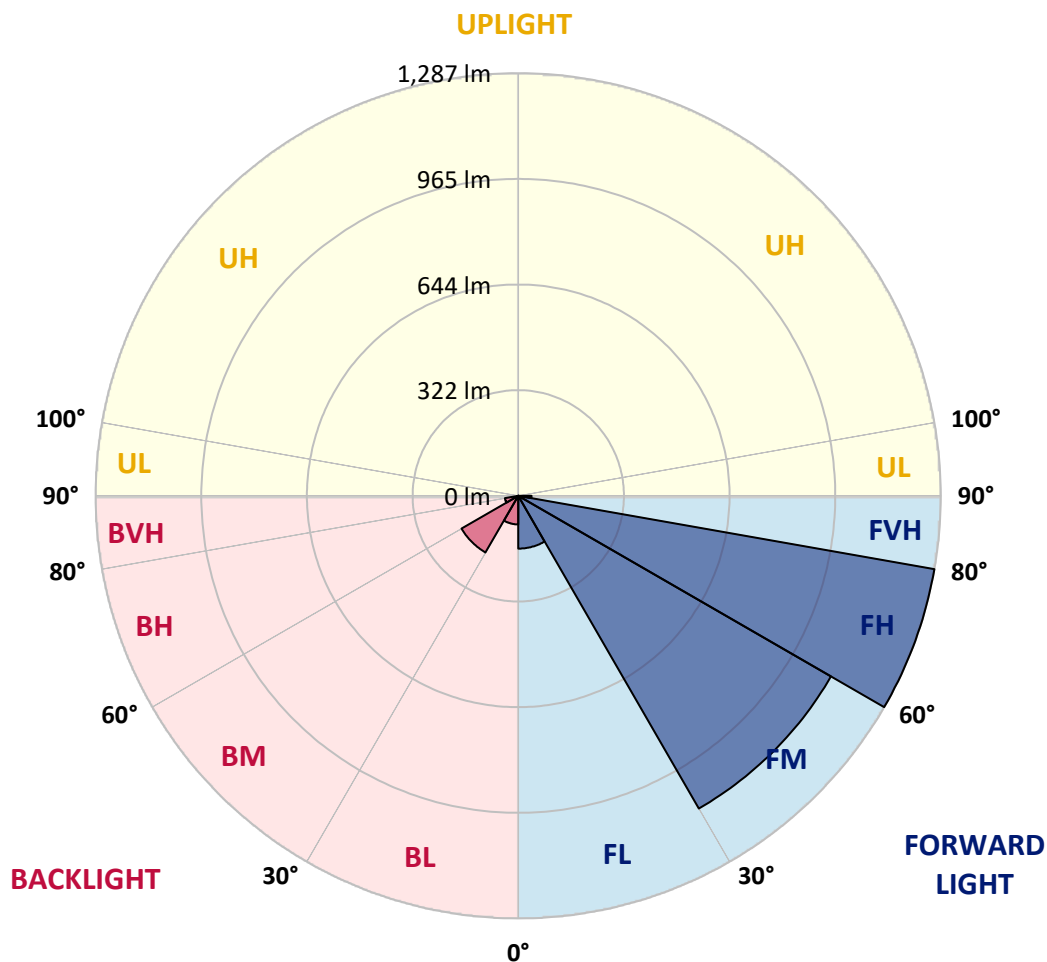
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.8	5.5			
FM	(30°-60°)	1100.0	37.7			
FH	(60°-80°)	1287.3	44.1			G1/1800
FVH	(80°-90°)	40.6	1.4			G1/100
BL	(0°-30°)	87.2	3.0	B0/110		
BM	(30°-60°)	199.3	6.8	B0/220		
BH	(60°-80°)	41.2	1.4	B0/110		G0/110
BVH	(80°-90°)	0.6	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°	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8
2.5°	404.0	407.4	408.0	409.1	409.1	410.4	412.5	415.5	420.4	423.0
5°	372.3	374.9	378.1	380.7	385.6	386.2	394.6	402.7	414.0	422.6
7.5°	340.5	343.5	347.7	353.9	360.4	362.3	374.9	388.6	406.5	422.6
10°	318.0	318.3	322.1	328.3	338.6	340.9	356.3	375.7	398.2	420.0
12.5°	305.4	306.9	308.6	313.3	323.2	324.7	341.1	364.0	389.9	418.5
15°	305.4	306.5	307.6	309.9	317.8	319.1	333.6	356.5	385.6	419.1
17.5°	308.6	310.3	309.5	312.3	320.6	321.5	334.3	354.4	385.4	423.2
20°	316.3	317.6	315.9	317.6	325.9	327.7	340.9	358.4	389.0	430.3
22.5°	328.5	329.2	325.1	326.4	334.9	337.1	352.5	370.0	397.8	441.6
25°	343.9	345.2	339.0	340.5	348.6	351.2	368.9	387.3	411.7	457.2
27.5°	361.6	362.3	356.9	356.7	367.2	370.8	388.8	408.7	430.3	476.8
30°	381.9	383.9	378.7	377.9	391.1	394.1	411.9	435.0	457.6	506.3
32.5°	398.0	399.5	396.5	398.6	412.1	414.4	439.9	472.1	500.6	548.2
35°	421.1	421.9	415.1	418.9	434.3	440.3	478.1	524.3	554.6	600.8
37.5°	504.6	504.6	475.6	456.5	471.3	476.6	530.5	589.9	621.3	671.3
40°	620.3	618.3	575.8	536.9	535.0	545.5	605.1	672.6	707.5	756.0
42.5°	743.6	740.6	682.7	644.2	637.8	641.4	691.2	774.6	810.1	859.2
45°	853.0	852.2	799.2	747.4	735.9	747.4	798.7	893.8	919.3	971.0
47.5°	944.7	944.7	906.0	872.3	866.3	873.1	944.3	1026.1	1023.8	1090.1
50°	1050.3	1049.4	1012.7	998.2	1004.3	1014.0	1111.9	1165.5	1131.9	1207.0
52.5°	1124.3	1129.4	1116.8	1114.4	1146.1	1162.7	1282.0	1301.9	1228.8	1317.9
55°	1182.8	1188.8	1203.3	1219.8	1280.7	1302.5	1446.8	1431.2	1309.8	1414.1
57.5°	1265.7	1257.2	1279.6	1312.1	1410.7	1437.0	1606.4	1553.2	1375.0	1492.1
60°	1366.4	1367.7	1371.5	1412.6	1540.4	1574.2	1763.8	1668.6	1416.9	1540.0
62.5°	1487.4	1489.3	1497.2	1560.3	1714.6	1746.4	1931.3	1763.1	1436.1	1526.5
65°	1479.1	1487.2	1575.5	1791.1	1979.4	2010.8	2126.9	1829.4	1407.0	1403.4
67.5°	1347.4	1360.6	1508.3	2066.8	2378.7	2413.7	2363.3	1842.4	1281.6	1091.3
70°	1174.7	1179.4	1357.0	2314.8	2841.0	2876.5	2574.9	1699.0	972.5	608.7
72.5°	917.4	918.4	1126.8	2372.3	3091.9	3093.8	2408.8	1261.3	523.0	233.8
75°	655.3	648.9	754.7	1923.8	2720.2	2742.0	1805.9	591.6	199.8	110.5
77.5°	351.4	358.4	427.0	1140.9	1879.2	1916.4	985.3	170.6	101.7	75.2
80°	108.6	114.6	175.1	522.4	1064.4	1086.9	365.3	75.9	71.0	53.6
82.5°	34.2	35.5	81.6	219.5	441.8	452.1	105.8	43.0	48.5	35.5
85°	9.8	10.0	36.3	81.9	109.2	111.4	29.7	16.7	27.8	22.0
87.5°	1.1	3.4	13.7	13.7	9.6	9.4	3.2	3.6	7.9	2.8
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°
422.8	0°	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8	422.8
424.7	2.5°	423.6	423.8	421.1	416.4	411.2	407.0	401.6	397.3	394.3	393.5
428.5	5°	426.6	425.1	417.2	402.9	385.8	371.0	354.6	341.6	333.0	329.4
432.6	7.5°	431.1	426.8	409.5	381.3	348.6	319.5	290.0	267.2	252.6	245.4
436.5	10°	435.0	426.4	396.7	350.1	300.1	256.1	216.3	188.7	173.3	166.1
440.9	12.5°	438.6	426.2	380.0	313.1	245.4	191.5	154.5	140.9	136.6	135.1
448.2	15°	445.4	426.8	359.1	270.8	190.9	144.7	131.2	131.0	131.9	131.4
459.3	17.5°	454.8	427.5	335.4	225.9	147.3	127.6	127.0	128.9	130.2	129.5
473.2	20°	467.0	430.0	310.1	181.5	126.5	123.3	124.8	126.5	127.6	126.5
491.8	22.5°	484.1	434.5	282.6	145.8	119.9	120.8	122.0	124.0	125.0	123.5
515.5	25°	505.1	441.6	255.4	126.7	116.7	117.8	119.7	121.8	123.1	121.6
545.5	27.5°	532.2	452.9	230.4	122.5	113.5	114.1	116.9	120.1	121.8	119.9
588.0	30°	571.5	471.5	208.8	124.4	111.6	110.1	113.9	118.4	120.3	118.6
645.9	32.5°	623.7	497.8	195.6	127.4	110.7	105.4	109.0	114.8	118.0	116.9
721.6	35°	692.1	537.8	190.4	130.8	110.1	100.5	103.0	109.2	114.8	115.8
816.9	37.5°	775.0	593.3	191.9	132.3	108.2	96.4	97.7	103.0	110.3	113.7
924.2	40°	869.3	658.1	200.5	130.8	106.0	93.0	93.2	97.3	103.7	108.8
1039.6	42.5°	966.5	733.8	216.3	125.2	104.1	90.0	89.3	92.1	96.4	100.0
1154.8	45°	1059.1	811.6	231.9	117.6	101.7	87.0	85.5	86.6	87.4	88.9
1267.0	47.5°	1139.9	866.3	227.4	110.5	98.5	83.6	81.0	80.6	78.0	77.8
1367.3	50°	1195.6	878.2	202.0	103.4	93.8	79.7	75.7	73.1	68.6	66.5
1442.3	52.5°	1213.4	831.0	165.0	96.4	86.1	74.6	68.8	64.8	59.2	57.3
1485.5	55°	1189.9	738.5	131.9	87.8	75.4	67.8	61.3	56.0	51.5	49.2
1490.2	57.5°	1132.4	620.7	104.3	77.8	64.1	60.1	53.6	48.3	44.5	42.1
1438.0	60°	1037.1	492.9	82.5	65.8	54.7	51.7	45.1	41.7	38.3	35.5
1303.4	62.5°	892.4	351.8	64.8	52.2	45.7	42.3	38.5	35.9	31.8	28.0
1061.2	65°	696.4	215.2	50.0	38.3	36.8	35.1	32.7	30.4	25.4	21.6
692.3	67.5°	439.2	102.0	35.7	28.9	29.1	28.2	27.1	25.2	21.6	18.2
310.1	70°	193.4	49.4	23.5	22.0	21.6	21.6	22.4	21.8	18.4	15.2
107.7	72.5°	65.8	26.5	17.5	16.7	15.6	15.4	18.8	18.2	14.7	11.8
53.6	75°	34.4	17.7	12.8	12.0	9.4	11.3	15.0	14.1	10.5	7.7
35.5	77.5°	22.4	12.6	8.8	7.7	5.3	7.5	11.1	9.8	6.2	3.8
23.3	80°	14.1	8.3	5.1	3.6	2.6	4.1	6.0	4.3	2.4	0.9
13.7	82.5°	7.5	4.3	1.9	1.3	1.1	1.3	1.5	1.1	0.4	0.0
7.1	85°	3.0	1.5	0.6	0.4	0.2	0.0	0.4	0.2	0.0	0.0
1.3	87.5°	1.1	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°
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422.8
395.0
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