

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: P852066

Luminaire Tested: **GLAN-SB1A-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852066
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-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 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: 2813 lumens
Efficiency: N/A
Efficacy: 91.0 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

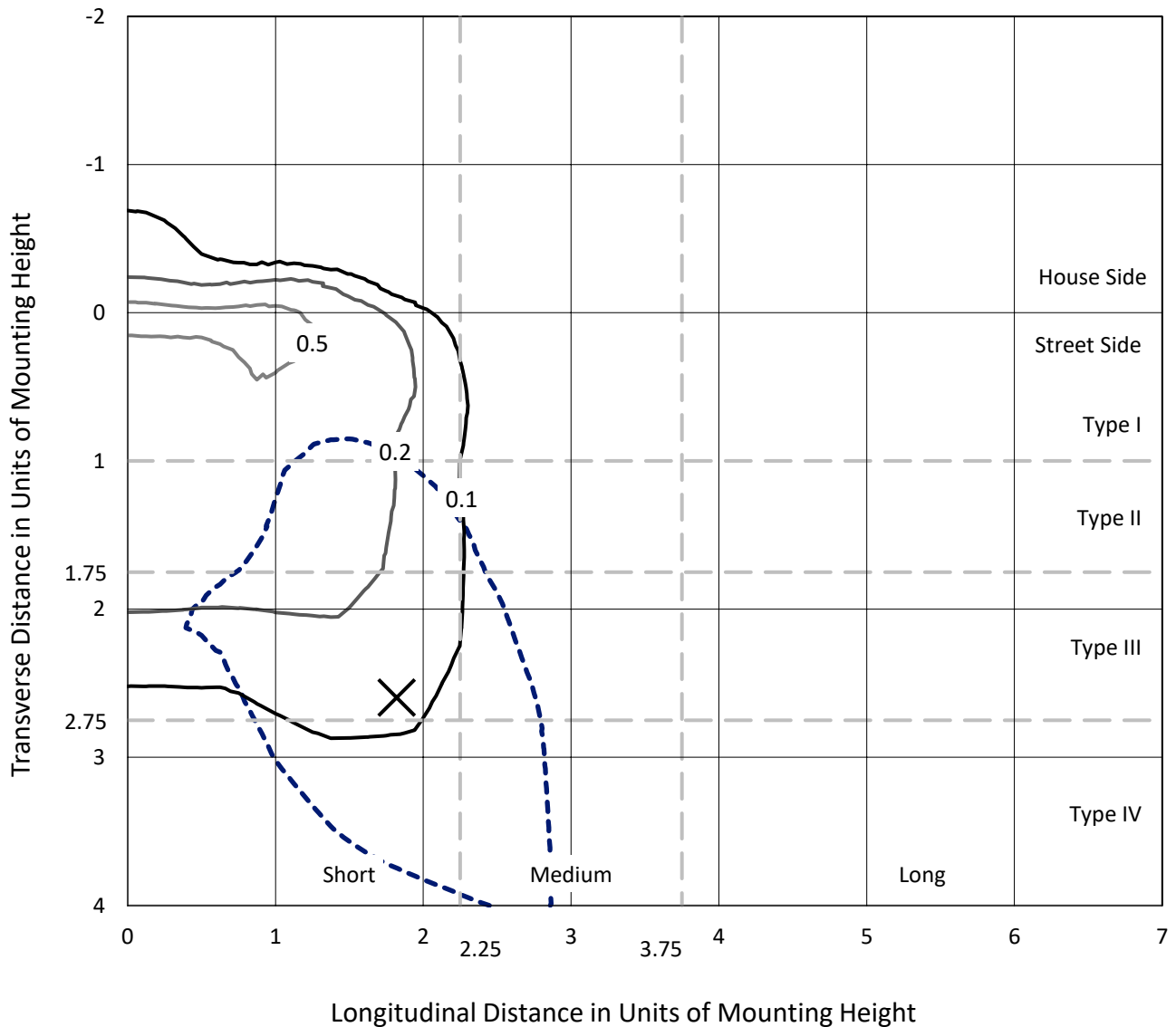
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

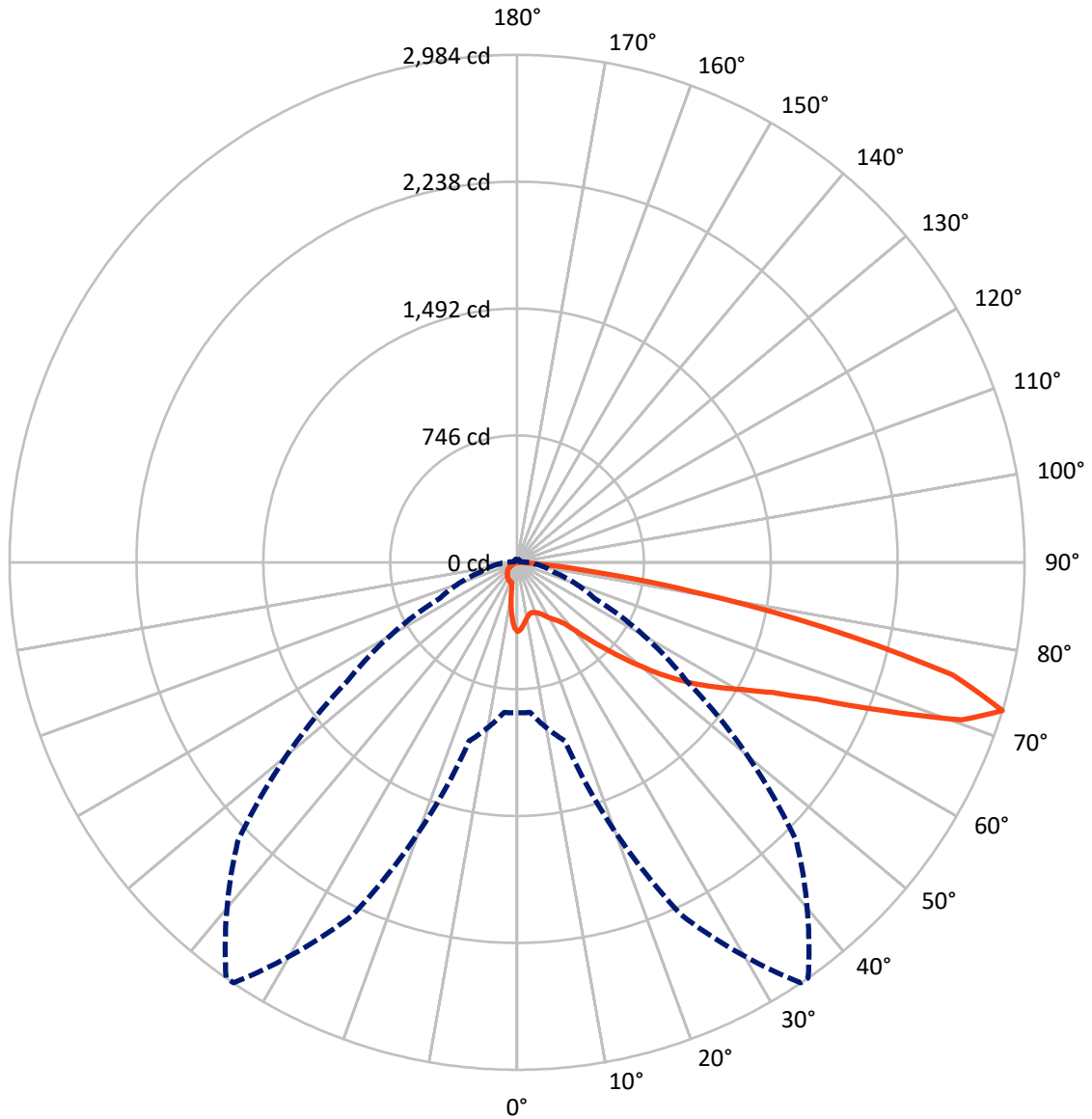
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	316.6	0.0	316.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	2496.4	0.0	2496.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	2813.0	0.0	2813.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	1.2
10°-20°	78.4	2.8
20°-30°	127.3	4.5
30°-40°	212.4	7.6
40°-50°	401.9	14.3
50°-60°	638.6	22.7
60°-70°	790.0	28.1
70°-80°	491.1	17.5
80°-90°	39.7	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°	2813.0	100.0
0°-180°	2813.0	100.0

Coefficient of Utilization



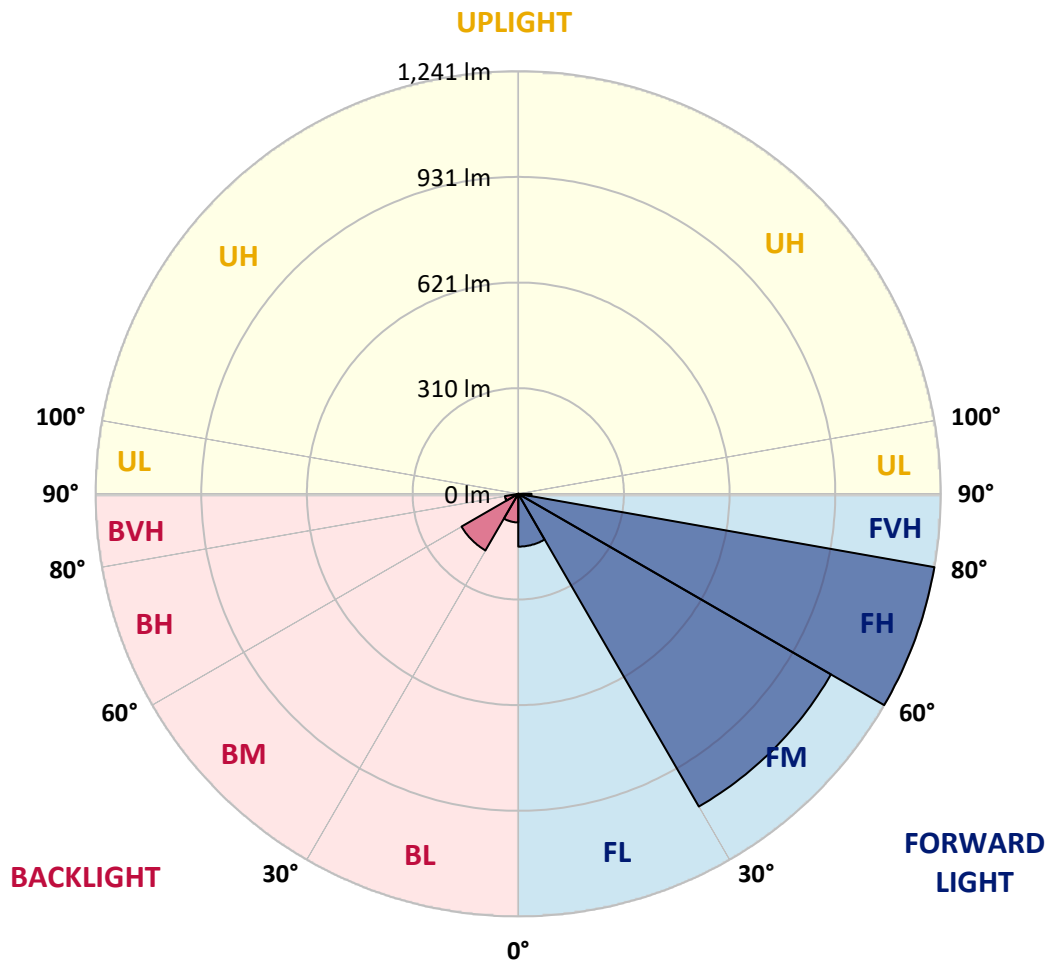
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	155.1	5.5			
FM	(30°-60°)	1060.8	37.7			
FH	(60°-80°)	1241.4	44.1			G1/1800
FVH	(80°-90°)	39.1	1.4			G1/100
BL	(0°-30°)	84.1	3.0	B0/110		
BM	(30°-60°)	192.2	6.8	B0/220		
BH	(60°-80°)	39.7	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°	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7
2.5°	389.6	392.9	393.5	394.5	394.5	395.7	397.8	400.7	405.4	407.9
5°	359.1	361.5	364.6	367.1	371.8	372.5	380.5	388.3	399.2	407.5
7.5°	328.3	331.2	335.4	341.3	347.5	349.4	361.5	374.7	392.0	407.5
10°	306.7	306.9	310.6	316.6	326.5	328.8	343.6	362.4	384.0	405.0
12.5°	294.5	296.0	297.6	302.2	311.6	313.1	329.0	351.0	376.0	403.6
15°	294.5	295.6	296.6	298.9	306.5	307.7	321.7	343.8	371.8	404.2
17.5°	297.6	299.3	298.5	301.1	309.2	310.0	322.4	341.7	371.6	408.1
20°	305.1	306.3	304.6	306.3	314.3	316.0	328.8	345.7	375.1	414.9
22.5°	316.8	317.4	313.5	314.7	323.0	325.0	339.9	356.8	383.6	425.8
25°	331.6	332.9	326.9	328.3	336.2	338.6	355.8	373.5	397.0	440.9
27.5°	348.7	349.4	344.2	344.0	354.1	357.6	374.9	394.1	414.9	459.8
30°	368.3	370.2	365.2	364.4	377.2	380.1	397.2	419.4	441.3	488.3
32.5°	383.8	385.2	382.3	384.4	397.4	399.7	424.2	455.3	482.7	528.7
35°	406.0	406.9	400.3	404.0	418.8	424.6	461.1	505.6	534.9	579.4
37.5°	486.6	486.6	458.6	440.3	454.5	459.6	511.6	568.9	599.2	647.4
40°	598.1	596.3	555.3	517.8	515.9	526.0	583.5	648.6	682.2	729.0
42.5°	717.1	714.2	658.3	621.2	615.1	618.6	666.6	747.0	781.2	828.6
45°	822.6	821.8	770.7	720.8	709.7	720.8	770.3	862.0	886.5	936.4
47.5°	911.0	911.0	873.7	841.2	835.4	842.0	910.6	989.6	987.3	1051.2
50°	1012.9	1012.0	976.6	962.6	968.5	977.8	1072.2	1124.0	1091.6	1163.9
52.5°	1084.2	1089.1	1077.0	1074.7	1105.2	1121.3	1236.3	1255.5	1185.0	1270.9
55°	1140.6	1146.4	1160.4	1176.3	1235.0	1256.1	1395.2	1380.2	1263.1	1363.7
57.5°	1220.6	1212.4	1234.0	1265.3	1360.4	1385.7	1549.2	1497.8	1325.9	1438.9
60°	1317.7	1318.9	1322.6	1362.2	1485.5	1518.0	1700.9	1609.1	1366.3	1485.1
62.5°	1434.4	1436.2	1443.8	1504.6	1653.5	1684.2	1862.5	1700.3	1384.9	1472.1
65°	1426.3	1434.2	1519.3	1727.3	1908.8	1939.1	2051.1	1764.1	1356.9	1353.4
67.5°	1299.4	1312.1	1454.6	1993.1	2293.9	2327.7	2279.0	1776.7	1235.9	1052.4
70°	1132.8	1137.3	1308.6	2232.2	2739.7	2773.9	2483.1	1638.4	937.8	587.0
72.5°	884.7	885.7	1086.6	2287.7	2981.7	2983.5	2322.9	1216.3	504.4	225.5
75°	632.0	625.8	727.8	1855.3	2623.2	2644.3	1741.5	570.5	192.7	106.6
77.5°	338.9	345.7	411.8	1100.2	1812.2	1848.0	950.2	164.5	98.1	72.6
80°	104.7	110.5	168.8	503.7	1026.5	1048.1	352.3	73.2	68.4	51.7
82.5°	33.0	34.2	78.7	211.7	426.0	435.9	102.0	41.4	46.8	34.2
85°	9.5	9.7	35.0	78.9	105.3	107.4	28.7	16.1	26.8	21.2
87.5°	1.0	3.3	13.2	13.2	9.3	9.1	3.1	3.5	7.6	2.7
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°
407.7	0°	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7	407.7
409.6	2.5°	408.5	408.7	406.0	401.5	396.6	392.4	387.3	383.2	380.3	379.5
413.3	5°	411.4	410.0	402.3	388.5	372.0	357.8	341.9	329.4	321.1	317.6
417.2	7.5°	415.7	411.6	394.9	367.7	336.2	308.1	279.7	257.6	243.6	236.6
420.9	10°	419.4	411.2	382.6	337.6	289.4	246.9	208.6	182.0	167.2	160.2
425.2	12.5°	423.0	411.0	366.5	302.0	236.6	184.7	149.0	135.8	131.7	130.3
432.2	15°	429.5	411.6	346.3	261.1	184.1	139.5	126.6	126.3	127.2	126.8
442.9	17.5°	438.6	412.2	323.4	217.9	142.0	123.1	122.4	124.3	125.5	124.9
456.3	20°	450.4	414.7	299.1	175.0	122.0	118.9	120.4	122.0	123.1	122.0
474.3	22.5°	466.9	419.0	272.5	140.6	115.6	116.5	117.7	119.5	120.6	119.1
497.2	25°	487.1	425.8	246.3	122.2	112.5	113.6	115.4	117.5	118.7	117.3
526.0	27.5°	513.2	436.8	222.2	118.1	109.4	110.1	112.7	115.8	117.5	115.6
567.0	30°	551.2	454.7	201.4	120.0	107.6	106.1	109.9	114.2	116.0	114.4
622.9	32.5°	601.4	480.0	188.6	122.8	106.8	101.6	105.1	110.7	113.8	112.7
695.8	35°	667.4	518.6	183.6	126.1	106.1	96.9	99.3	105.3	110.7	111.7
787.8	37.5°	747.4	572.2	185.1	127.6	104.3	93.0	94.2	99.3	106.4	109.7
891.2	40°	838.3	634.6	193.3	126.1	102.2	89.7	89.9	93.8	100.0	104.9
1002.5	42.5°	932.1	707.6	208.6	120.8	100.4	86.8	86.2	88.8	93.0	96.5
1113.6	45°	1021.3	782.6	223.6	113.4	98.1	83.9	82.4	83.5	84.3	85.7
1221.9	47.5°	1099.2	835.4	219.3	106.6	95.0	80.6	78.1	77.7	75.2	75.0
1318.5	50°	1153.0	846.9	194.8	99.8	90.5	76.9	73.0	70.5	66.2	64.1
1390.9	52.5°	1170.1	801.4	159.1	93.0	83.1	71.9	66.4	62.5	57.1	55.2
1432.5	55°	1147.4	712.1	127.2	84.7	72.8	65.3	59.2	54.0	49.7	47.4
1437.0	57.5°	1092.0	598.6	100.6	75.0	61.8	57.9	51.7	46.6	42.9	40.6
1386.8	60°	1000.1	475.3	79.6	63.5	52.8	49.9	43.5	40.2	36.9	34.2
1256.9	62.5°	860.5	339.3	62.5	50.3	44.1	40.8	37.1	34.6	30.7	27.0
1023.4	65°	671.5	207.6	48.2	36.9	35.5	33.8	31.5	29.3	24.5	20.8
667.6	67.5°	423.6	98.3	34.4	27.8	28.0	27.2	26.2	24.3	20.8	17.5
299.1	70°	186.5	47.6	22.7	21.2	20.8	20.8	21.6	21.0	17.7	14.6
103.9	72.5°	63.5	25.6	16.9	16.1	15.0	14.8	18.1	17.5	14.2	11.3
51.7	75°	33.2	17.1	12.4	11.5	9.1	10.9	14.4	13.6	10.1	7.4
34.2	77.5°	21.6	12.2	8.5	7.4	5.2	7.2	10.7	9.5	6.0	3.7
22.5	80°	13.6	8.0	4.9	3.5	2.5	3.9	5.8	4.1	2.3	0.8
13.2	82.5°	7.2	4.1	1.9	1.2	1.0	1.2	1.4	1.0	0.4	0.0
6.8	85°	2.9	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°
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407.7
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