

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: P846122

Luminaire Tested: **GLAN-SB1C-835-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846122
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-SB1C-835-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 615mA 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: 4330 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

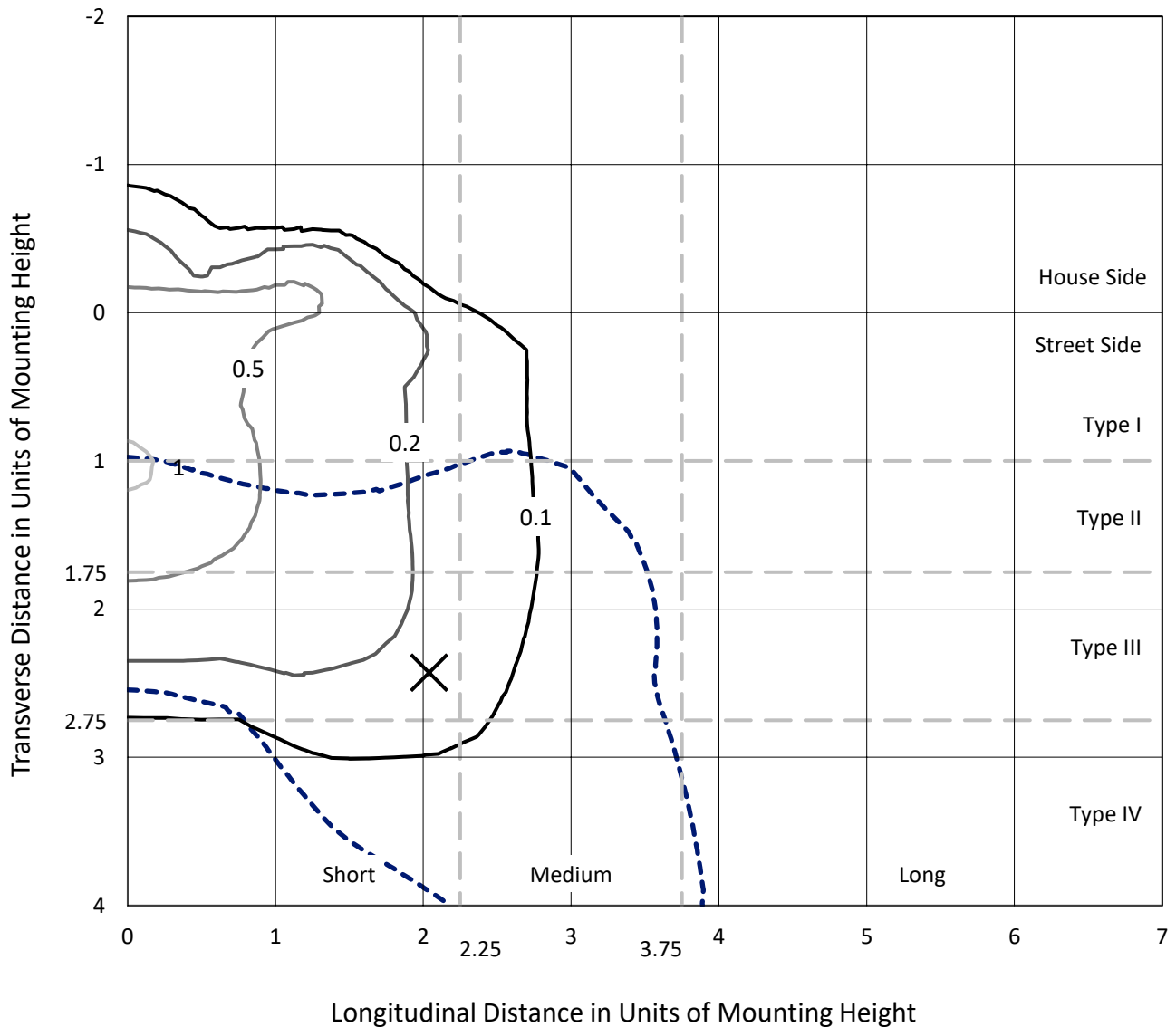
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

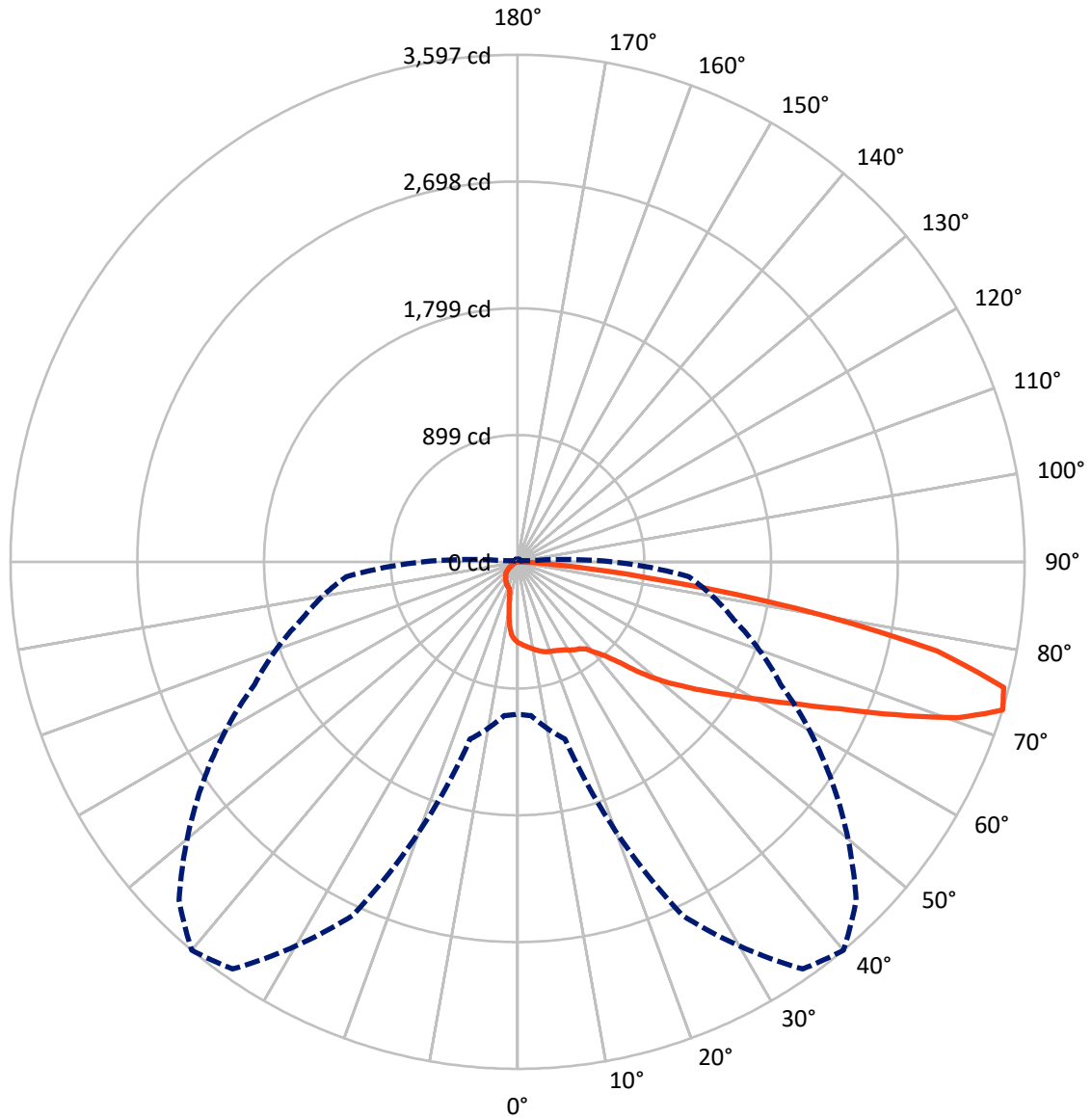
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	559.2	0.0	559.2
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	3770.8	0.0	3770.8
	% Fixture	87.1	0.0	87.1
Total	Lumens	4330.0	0.0	4330.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	1.2
10°-20°	142.2	3.3
20°-30°	230.1	5.3
30°-40°	339.7	7.8
40°-50°	571.7	13.2
50°-60°	887.7	20.5
60°-70°	1110.7	25.7
70°-80°	909.4	21.0
80°-90°	86.2	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°	4330.0	100.0
0°-180°	4330.0	100.0

Coefficient of Utilization



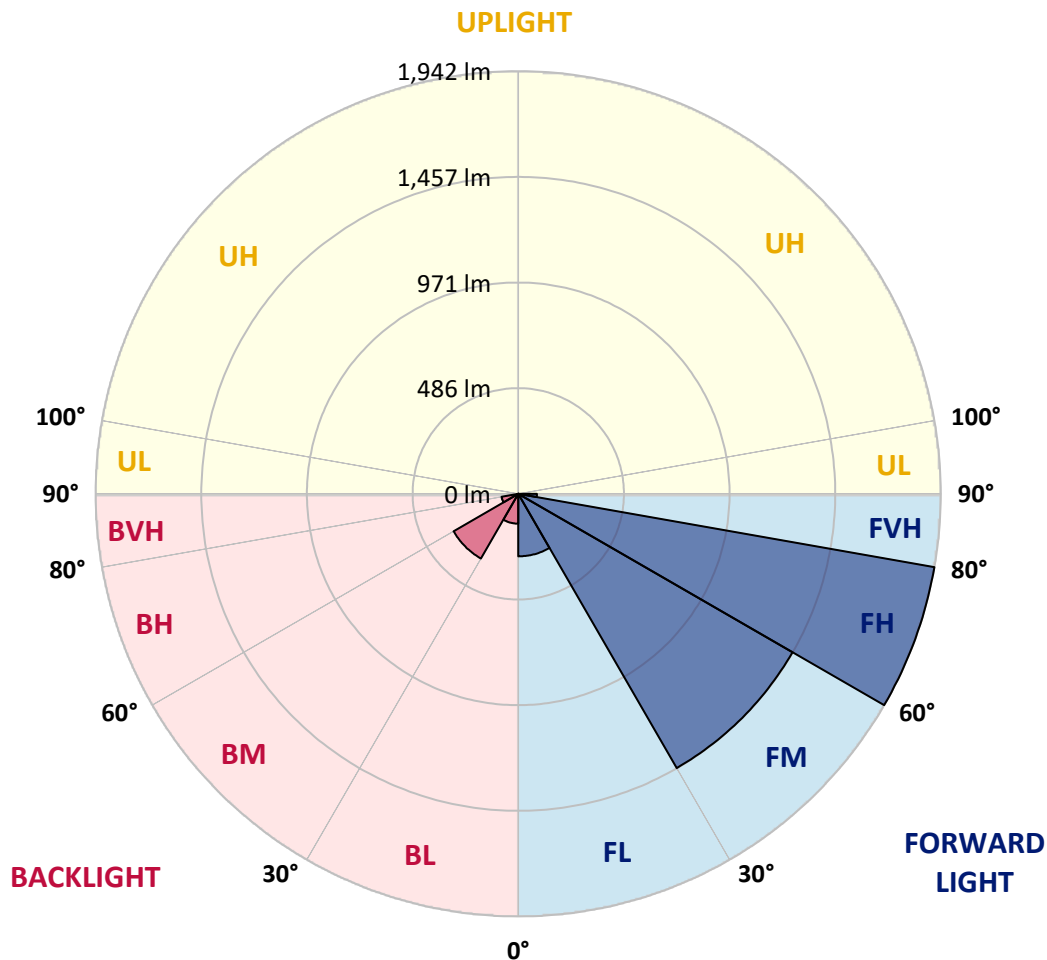
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	287.4	6.6			
FM (30°-60°)	1455.7	33.6			
FH (60°-80°)	1942.2	44.9			G2/5000
FVH (80°-90°)	85.6	2.0			G1/100
BL (0°-30°)	137.2	3.2	B1/500		
BM (30°-60°)	343.4	7.9	B1/1000		
BH (60°-80°)	77.9	1.8	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3
2.5°	590.6	592.9	591.6	589.0	588.3	587.0	585.4	584.7	582.5	580.5
5°	607.2	609.5	607.9	604.3	602.7	601.0	598.8	596.8	592.2	588.0
7.5°	625.5	627.5	625.5	620.3	617.7	615.7	612.5	609.5	604.3	598.1
10°	645.7	647.4	644.4	637.6	633.3	630.4	627.5	624.2	619.3	612.5
12.5°	664.6	666.6	662.0	653.9	649.0	646.1	642.8	640.2	635.3	628.8
15°	681.9	684.9	677.0	668.2	662.7	660.4	657.1	655.5	652.2	647.7
17.5°	695.0	696.9	688.8	678.3	672.1	670.5	668.2	669.2	668.6	666.3
20°	706.1	707.4	696.6	683.9	677.0	677.4	676.7	680.0	681.3	681.3
22.5°	719.8	720.1	706.4	690.4	682.3	684.5	685.5	689.1	691.7	694.3
25°	737.7	737.0	720.7	698.9	691.7	695.0	697.3	698.6	701.5	705.7
27.5°	764.4	762.5	741.6	712.6	704.1	707.0	711.3	710.6	709.3	712.6
30°	798.4	795.7	768.0	731.8	724.0	726.6	727.9	722.0	712.6	715.5
32.5°	852.2	847.6	809.1	753.3	741.3	744.2	742.6	730.5	716.5	719.4
35°	945.8	934.7	880.2	798.4	760.8	757.6	753.7	741.9	724.6	721.7
37.5°	1144.7	1125.1	1032.2	886.1	805.2	784.0	771.9	760.2	733.5	721.7
40°	1369.1	1349.2	1241.9	1032.8	878.9	843.0	814.3	781.7	742.6	726.0
42.5°	1603.2	1581.4	1471.1	1214.8	984.2	910.5	857.1	799.0	757.6	739.0
45°	1864.8	1837.4	1693.2	1404.6	1137.2	1022.7	925.9	834.6	783.7	762.2
47.5°	2140.7	2105.1	1914.7	1588.9	1301.9	1178.0	1051.8	898.1	822.2	796.7
50°	2385.3	2350.1	2143.3	1781.6	1455.8	1325.7	1195.2	986.2	879.9	845.6
52.5°	2561.1	2534.3	2351.4	1980.6	1615.9	1464.3	1325.4	1088.6	952.9	908.3
55°	2678.8	2654.3	2498.8	2169.1	1802.2	1616.9	1453.5	1199.8	1041.0	983.3
57.5°	2750.2	2736.2	2605.4	2337.3	1986.8	1783.9	1600.3	1322.1	1144.7	1071.6
60°	2775.6	2764.2	2671.6	2497.8	2209.8	1984.5	1772.8	1460.1	1270.6	1172.1
62.5°	2707.8	2710.1	2719.2	2687.9	2445.0	2219.3	1979.6	1625.7	1410.2	1285.9
65°	2388.5	2407.5	2581.0	2898.6	2756.4	2513.4	2242.8	1827.9	1570.0	1415.4
67.5°	1977.6	2005.0	2220.9	3021.9	3088.4	2895.3	2609.3	2085.6	1760.4	1547.1
70°	1513.9	1543.2	1804.8	2996.1	3399.2	3312.8	3062.6	2413.3	1957.7	1638.5
72.5°	1080.5	1095.5	1301.6	2766.8	3526.7	3597.2	3396.6	2723.8	2058.5	1587.9
75°	759.2	756.6	893.3	2228.1	3328.1	3562.6	3279.5	2555.8	1862.8	1261.5
77.5°	330.7	331.3	446.1	1353.1	2656.3	3042.7	2726.1	1600.9	1298.6	668.6
80°	85.8	88.4	163.7	538.8	1599.3	2008.3	1662.6	703.8	600.1	163.1
82.5°	30.3	32.3	75.3	169.3	590.0	921.0	740.3	225.0	156.5	46.6
85°	8.8	10.4	40.4	51.9	122.0	260.2	179.7	43.7	38.5	24.1
87.5°	0.0	1.3	8.2	7.2	7.2	4.9	9.1	4.9	6.2	2.9
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°
573.3	0°	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3	573.3
578.2	2.5°	576.3	574.0	569.1	563.9	559.0	554.4	553.1	548.2	545.9	546.3
582.8	5°	579.2	575.0	565.5	554.1	542.3	529.0	517.9	502.2	488.9	487.2
591.6	7.5°	587.0	580.2	564.8	542.7	513.3	476.5	442.2	408.3	389.1	378.6
604.6	10°	599.1	590.0	566.5	524.1	461.8	395.9	344.1	301.3	279.5	269.4
620.6	12.5°	613.4	603.3	569.1	492.4	395.3	308.8	252.7	226.7	222.1	221.4
640.2	15°	633.7	622.6	572.0	449.7	323.2	235.1	209.4	209.7	213.3	215.2
661.4	17.5°	656.2	645.1	567.8	397.5	252.1	200.9	200.2	203.2	208.4	210.4
680.9	20°	679.0	668.6	552.8	336.2	203.8	191.4	194.0	197.3	202.5	205.1
700.2	22.5°	702.5	693.3	529.0	271.0	183.9	184.6	187.8	191.1	197.0	199.9
719.1	25°	727.6	719.8	497.3	217.2	175.5	177.4	181.7	185.6	191.8	195.3
735.1	27.5°	753.0	747.2	461.5	181.3	167.6	169.9	174.8	180.0	186.2	190.5
749.1	30°	780.7	777.5	432.8	168.0	160.1	162.1	167.6	173.5	180.3	185.6
763.1	32.5°	809.1	808.5	418.7	177.7	153.3	154.6	159.5	165.3	173.8	180.3
774.9	35°	837.2	838.5	410.6	205.5	151.0	147.4	150.7	155.9	166.0	174.2
788.2	37.5°	873.0	876.3	410.3	235.5	156.5	140.2	142.5	146.1	154.9	164.4
809.1	40°	926.5	943.8	431.1	261.2	166.3	133.7	134.4	135.0	139.6	147.4
836.8	42.5°	997.6	1048.2	506.5	278.8	170.2	127.8	125.6	122.0	121.3	125.6
874.7	45°	1086.0	1174.4	638.9	288.6	166.3	121.3	115.1	105.7	102.1	105.0
925.9	47.5°	1190.0	1312.7	795.7	290.9	159.8	113.2	102.1	89.7	86.7	87.7
994.7	50°	1291.5	1416.4	933.7	272.0	149.0	102.7	87.7	77.3	75.3	75.7
1075.9	52.5°	1381.1	1451.9	972.8	227.3	134.7	90.0	75.3	68.2	66.9	66.9
1165.6	55°	1440.5	1413.4	867.5	173.8	116.8	77.0	64.6	61.0	60.3	60.0
1265.7	57.5°	1452.9	1288.2	655.2	125.6	91.3	64.9	57.4	55.4	54.1	52.8
1368.4	60°	1408.5	1079.5	417.1	87.7	68.5	55.4	50.9	49.6	47.0	44.4
1465.0	62.5°	1312.7	815.3	230.9	61.0	55.1	47.3	45.0	43.4	38.5	34.2
1541.6	65°	1183.8	542.0	102.1	47.6	45.0	39.8	38.5	36.2	30.3	25.4
1570.6	67.5°	1054.4	312.1	46.0	38.2	36.2	32.6	31.6	30.0	25.8	21.2
1496.6	70°	906.6	158.2	31.6	30.3	28.0	24.8	25.8	25.4	21.2	17.3
1220.7	72.5°	675.1	78.6	23.8	22.8	20.2	17.6	21.2	20.9	16.6	13.0
752.7	75°	382.2	38.8	17.3	16.0	12.1	13.0	17.0	16.0	11.4	8.5
317.6	77.5°	151.6	19.9	11.4	9.8	7.2	8.8	12.4	10.8	5.9	3.6
60.7	80°	34.9	9.8	5.9	4.2	3.3	5.2	6.5	3.9	1.6	0.3
16.3	82.5°	9.8	4.2	2.0	1.6	1.6	2.0	1.6	0.7	0.0	0.0
4.2	85°	3.3	2.0	0.7	0.3	0.3	0.3	0.3	0.0	0.0	0.0
1.3	87.5°	1.3	0.7	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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573.3
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