

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: P852174

Luminaire Tested: **GLAN-SB1D-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852174
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-SB1D-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA 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: 4963 lumens
Efficiency: N/A
Efficacy: 62.3 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

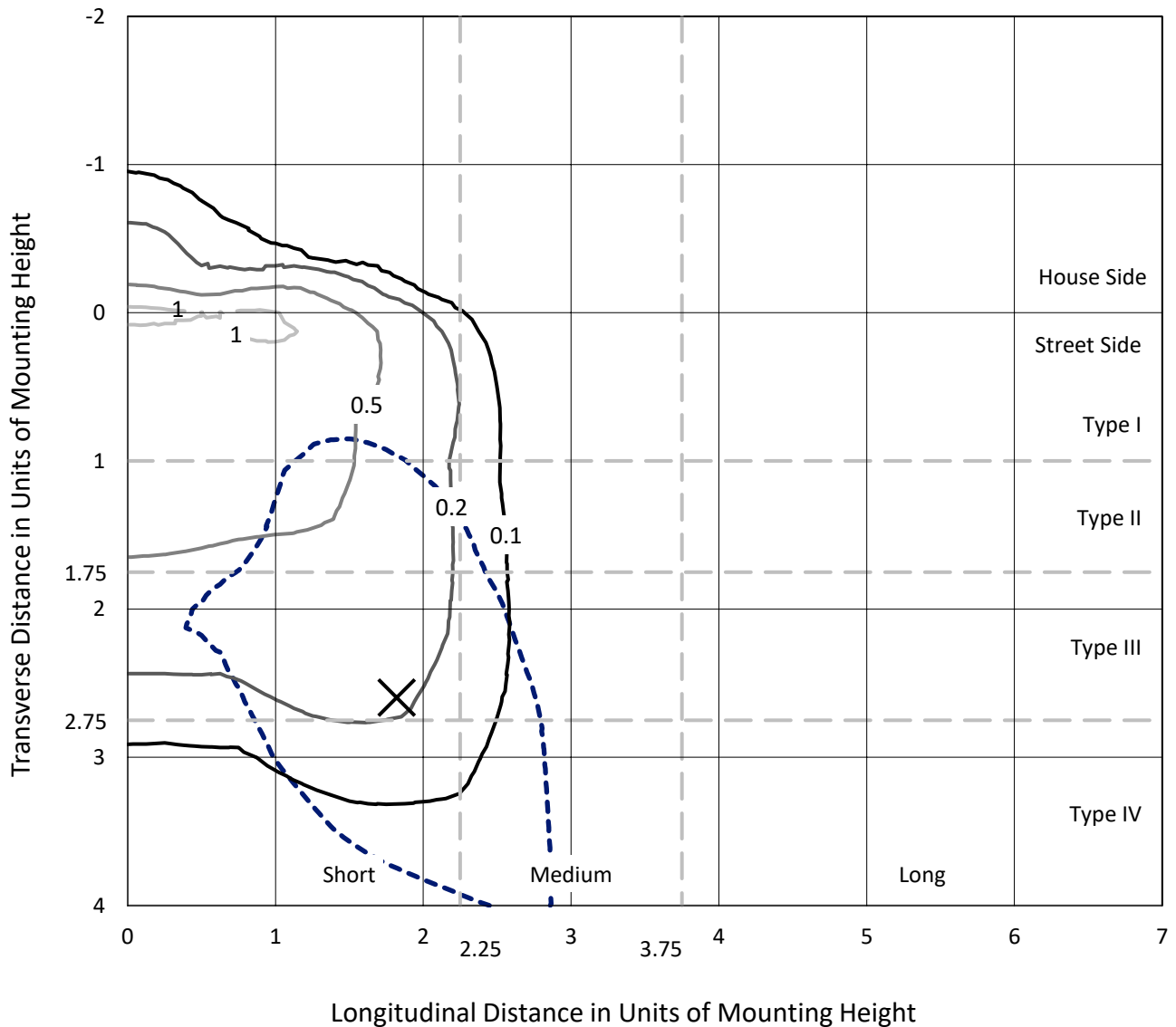
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

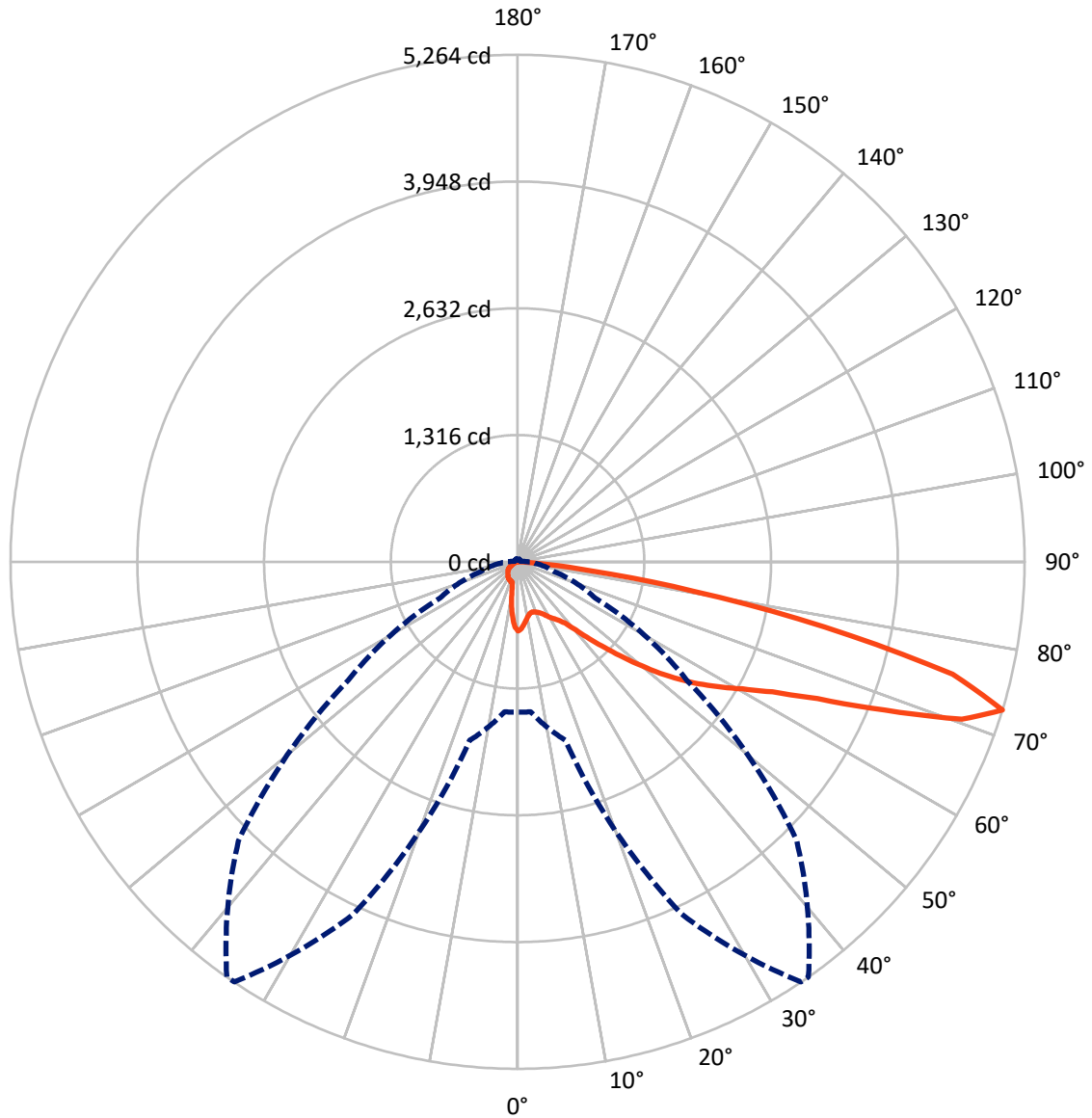
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	558.6	0.0	558.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	4404.4	0.0	4404.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	4963.0	0.0	4963.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	1.2
10°-20°	138.3	2.8
20°-30°	224.6	4.5
30°-40°	374.8	7.6
40°-50°	709.1	14.3
50°-60°	1126.8	22.7
60°-70°	1393.9	28.1
70°-80°	866.4	17.5
80°-90°	70.0	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°	4963.0	100.0
0°-180°	4963.0	100.0

Coefficient of Utilization

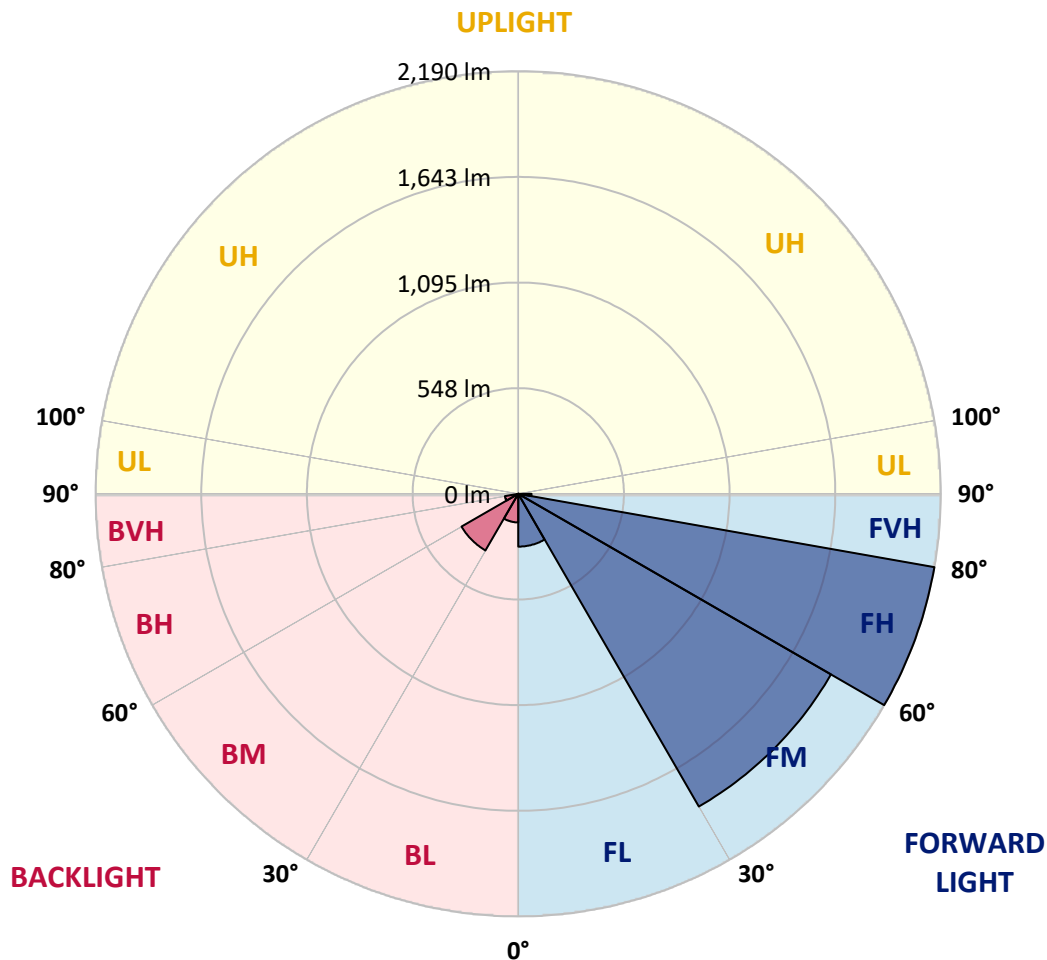


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	273.6	5.5			
FM (30°-60°)	1871.5	37.7			
FH (60°-80°)	2190.2	44.1			G2/5000
FVH (80°-90°)	69.1	1.4			G1/100
BL (0°-30°)	148.4	3.0	B1/500		
BM (30°-60°)	339.1	6.8	B1/1000		
BH (60°-80°)	70.1	1.4	B0/110		G0/110
BVH (80°-90°)	1.0	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°	34°	35°	45°	55°	65°	75°
0°	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3
2.5°	687.3	693.1	694.2	696.0	696.0	698.2	701.8	706.9	715.3	719.7
5°	633.5	637.8	643.3	647.7	656.0	657.1	671.3	685.1	704.4	718.9
7.5°	579.3	584.4	591.7	602.2	613.1	616.4	637.8	661.1	691.7	718.9
10°	541.1	541.5	548.0	558.6	576.0	580.0	606.2	639.3	677.5	714.6
12.5°	519.7	522.2	525.1	533.1	549.8	552.4	580.4	619.3	663.3	712.0
15°	519.7	521.5	523.3	527.3	540.8	542.9	567.7	606.6	656.0	713.1
17.5°	525.1	528.0	526.6	531.3	545.5	546.9	568.8	602.9	655.7	720.0
20°	538.2	540.4	537.5	540.4	554.6	557.5	580.0	609.8	661.8	732.0
22.5°	558.9	560.0	553.1	555.3	569.8	573.5	599.7	629.5	676.8	751.3
25°	585.1	587.3	576.8	579.3	593.1	597.5	627.7	658.9	700.4	777.9
27.5°	615.3	616.4	607.3	606.9	624.8	630.9	661.5	695.3	732.0	811.3
30°	649.8	653.1	644.4	642.9	665.5	670.6	700.8	740.0	778.6	861.5
32.5°	677.1	679.7	674.6	678.2	701.1	705.1	748.4	803.3	851.7	932.8
35°	716.4	717.9	706.2	712.8	738.9	749.1	813.5	892.0	943.7	1022.2
37.5°	858.6	858.6	809.1	776.8	801.9	810.9	902.6	1003.7	1057.1	1142.2
40°	1055.3	1052.0	979.7	913.5	910.2	928.0	1029.5	1144.4	1203.7	1286.2
42.5°	1265.1	1260.1	1161.5	1096.0	1085.1	1091.3	1176.1	1317.9	1378.2	1461.9
45°	1451.3	1449.9	1359.7	1271.7	1252.1	1271.7	1359.0	1520.8	1564.1	1652.1
47.5°	1607.3	1607.3	1541.5	1484.1	1473.9	1485.5	1606.6	1745.9	1741.9	1854.6
50°	1787.0	1785.5	1723.0	1698.3	1708.8	1725.2	1891.7	1983.0	1925.9	2053.5
52.5°	1912.8	1921.5	1900.1	1896.1	1949.9	1978.3	2181.2	2215.0	2090.6	2242.3
55°	2012.5	2022.6	2047.4	2075.4	2179.0	2216.1	2461.6	2435.0	2228.5	2405.9
57.5°	2153.6	2139.0	2177.2	2232.5	2400.1	2444.8	2733.2	2642.7	2339.4	2538.7
60°	2324.8	2327.0	2333.6	2403.4	2620.8	2678.3	3000.9	2839.0	2410.7	2620.1
62.5°	2530.7	2533.9	2547.4	2654.7	2917.2	2971.4	3286.0	2999.8	2443.4	2597.2
65°	2516.5	2530.3	2680.5	3047.4	3367.8	3421.2	3618.7	3112.5	2393.9	2387.7
67.5°	2292.5	2315.0	2566.3	3516.5	4047.1	4106.7	4020.9	3134.7	2180.5	1856.8
70°	1998.6	2006.6	2308.8	3938.4	4833.7	4894.0	4380.9	2890.7	1654.6	1035.7
72.5°	1560.8	1562.6	1917.2	4036.2	5260.6	5263.9	4098.4	2145.9	889.9	397.8
75°	1115.0	1104.0	1284.1	3273.2	4628.2	4665.3	3072.5	1006.6	340.0	188.0
77.5°	597.8	609.8	726.6	1941.2	3197.2	3260.5	1676.4	290.2	173.1	128.0
80°	184.7	194.9	297.8	888.8	1811.0	1849.2	621.5	129.1	120.7	91.3
82.5°	58.2	60.4	138.9	373.5	751.7	769.1	180.0	73.1	82.5	60.4
85°	16.7	17.1	61.8	139.3	185.8	189.5	50.5	28.4	47.3	37.5
87.5°	1.8	5.8	23.3	23.3	16.4	16.0	5.5	6.2	13.5	4.7
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°
719.3	0°	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3	719.3
722.6	2.5°	720.8	721.1	716.4	708.4	699.7	692.4	683.3	676.0	670.9	669.5
729.1	5°	725.9	723.3	709.9	685.5	656.4	631.3	603.3	581.1	566.6	560.4
736.0	7.5°	733.5	726.2	696.8	648.8	593.1	543.7	493.5	454.6	429.8	417.5
742.6	10°	740.0	725.5	674.9	595.7	510.6	435.7	368.0	321.1	294.9	282.6
750.2	12.5°	746.2	725.1	646.6	532.8	417.5	325.8	262.9	239.6	232.4	229.8
762.6	15°	757.9	726.2	610.9	460.7	324.7	246.2	223.3	222.9	224.4	223.6
781.5	17.5°	773.9	727.3	570.6	384.4	250.6	217.1	216.0	219.3	221.5	220.4
805.1	20°	794.6	731.7	527.7	308.7	215.3	209.8	212.4	215.3	217.1	215.3
836.8	22.5°	823.7	739.3	480.7	248.0	204.0	205.5	207.6	210.9	212.7	210.2
877.1	25°	859.3	751.3	434.6	215.6	198.6	200.4	203.6	207.3	209.5	206.9
928.0	27.5°	905.5	770.6	392.0	208.4	193.1	194.2	198.9	204.4	207.3	204.0
1000.4	30°	972.4	802.2	355.3	211.6	189.8	187.3	193.8	201.5	204.7	201.8
1099.0	32.5°	1061.1	846.9	332.7	216.7	188.4	179.3	185.5	195.3	200.7	198.9
1227.7	35°	1177.5	915.0	324.0	222.6	187.3	170.9	175.3	185.8	195.3	197.1
1389.9	37.5°	1318.6	1009.5	326.6	225.1	184.0	164.0	166.2	175.3	187.6	193.5
1572.4	40°	1479.0	1119.7	341.1	222.6	180.4	158.2	158.6	165.5	176.4	185.1
1768.8	42.5°	1644.4	1248.4	368.0	213.1	177.1	153.1	152.0	156.7	164.0	170.2
1964.8	45°	1801.9	1380.8	394.6	200.0	173.1	148.0	145.5	147.3	148.7	151.3
2155.7	47.5°	1939.4	1473.9	386.9	188.0	167.6	142.2	137.8	137.1	132.7	132.4
2326.3	50°	2034.3	1494.2	343.7	176.0	159.6	135.6	128.7	124.4	116.7	113.1
2453.9	52.5°	2064.5	1413.9	280.7	164.0	146.6	126.9	117.1	110.2	100.7	97.5
2527.4	55°	2024.5	1256.4	224.4	149.5	128.4	115.3	104.4	95.3	87.6	83.6
2535.4	57.5°	1926.6	1056.0	177.5	132.4	109.1	102.2	91.3	82.2	75.6	71.6
2446.7	60°	1764.4	838.6	140.4	112.0	93.1	88.0	76.7	70.9	65.1	60.4
2217.6	62.5°	1518.3	598.6	110.2	88.7	77.8	72.0	65.5	61.1	54.2	47.6
1805.5	65°	1184.8	366.2	85.1	65.1	62.5	59.6	55.6	51.6	43.3	36.7
1177.9	67.5°	747.3	173.5	60.7	49.1	49.5	48.0	46.2	42.9	36.7	30.9
527.7	70°	329.1	84.0	40.0	37.5	36.7	36.7	38.2	37.1	31.3	25.8
183.3	72.5°	112.0	45.1	29.8	28.4	26.5	26.2	32.0	30.9	25.1	20.0
91.3	75°	58.5	30.2	21.8	20.4	16.0	19.3	25.5	24.0	17.8	13.1
60.4	77.5°	38.2	21.5	14.9	13.1	9.1	12.7	18.9	16.7	10.5	6.5
39.6	80°	24.0	14.2	8.7	6.2	4.4	6.9	10.2	7.3	4.0	1.5
23.3	82.5°	12.7	7.3	3.3	2.2	1.8	2.2	2.5	1.8	0.7	0.0
12.0	85°	5.1	2.5	1.1	0.7	0.4	0.0	0.7	0.4	0.0	0.0
2.2	87.5°	1.8	0.4	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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719.3
672.0
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