

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: P852120

Luminaire Tested: **GLAN-SB1C-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852120
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-SB1C-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 615mA 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: 5479 lumens
Efficiency: N/A
Efficacy: 100.7 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

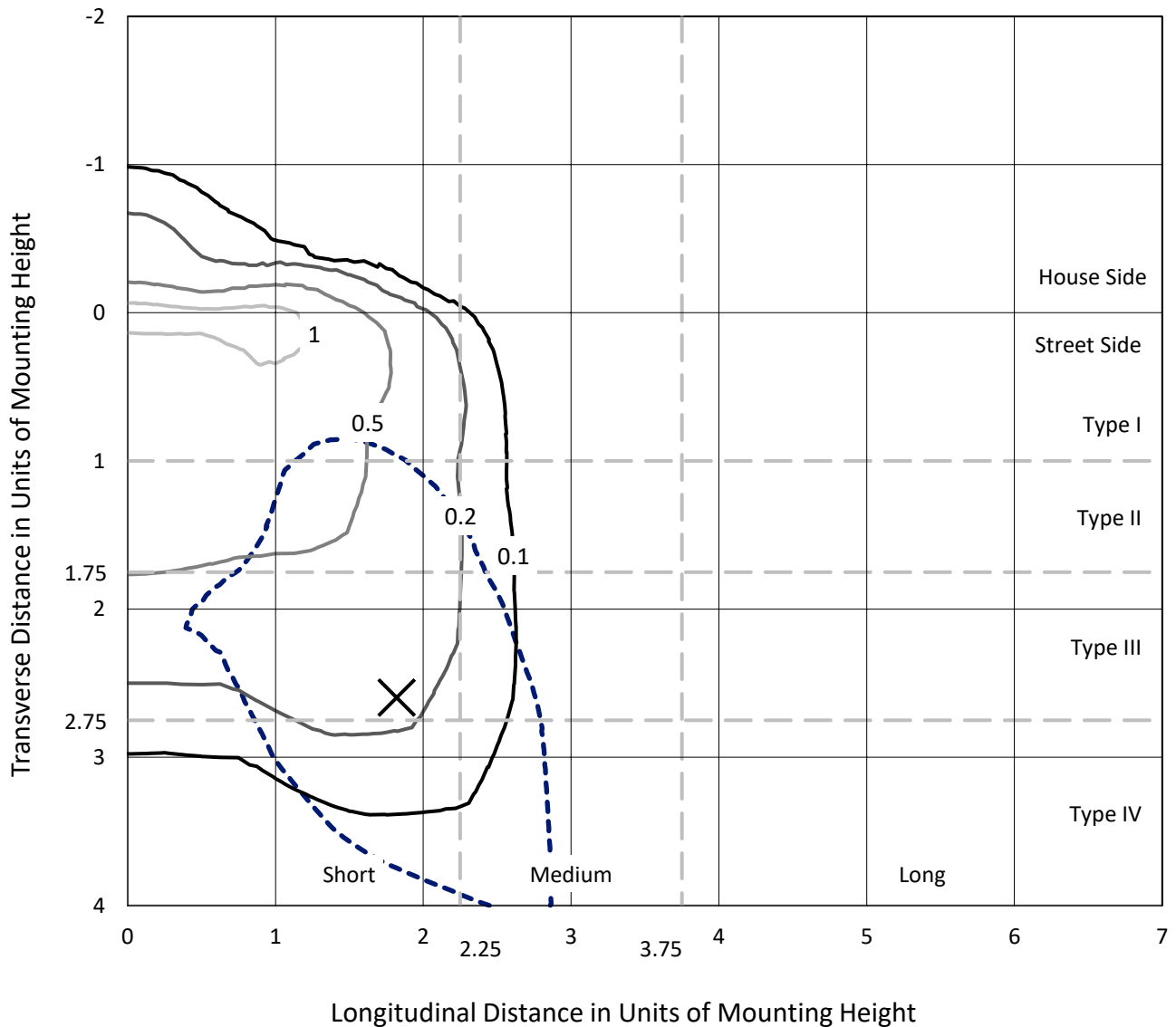
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

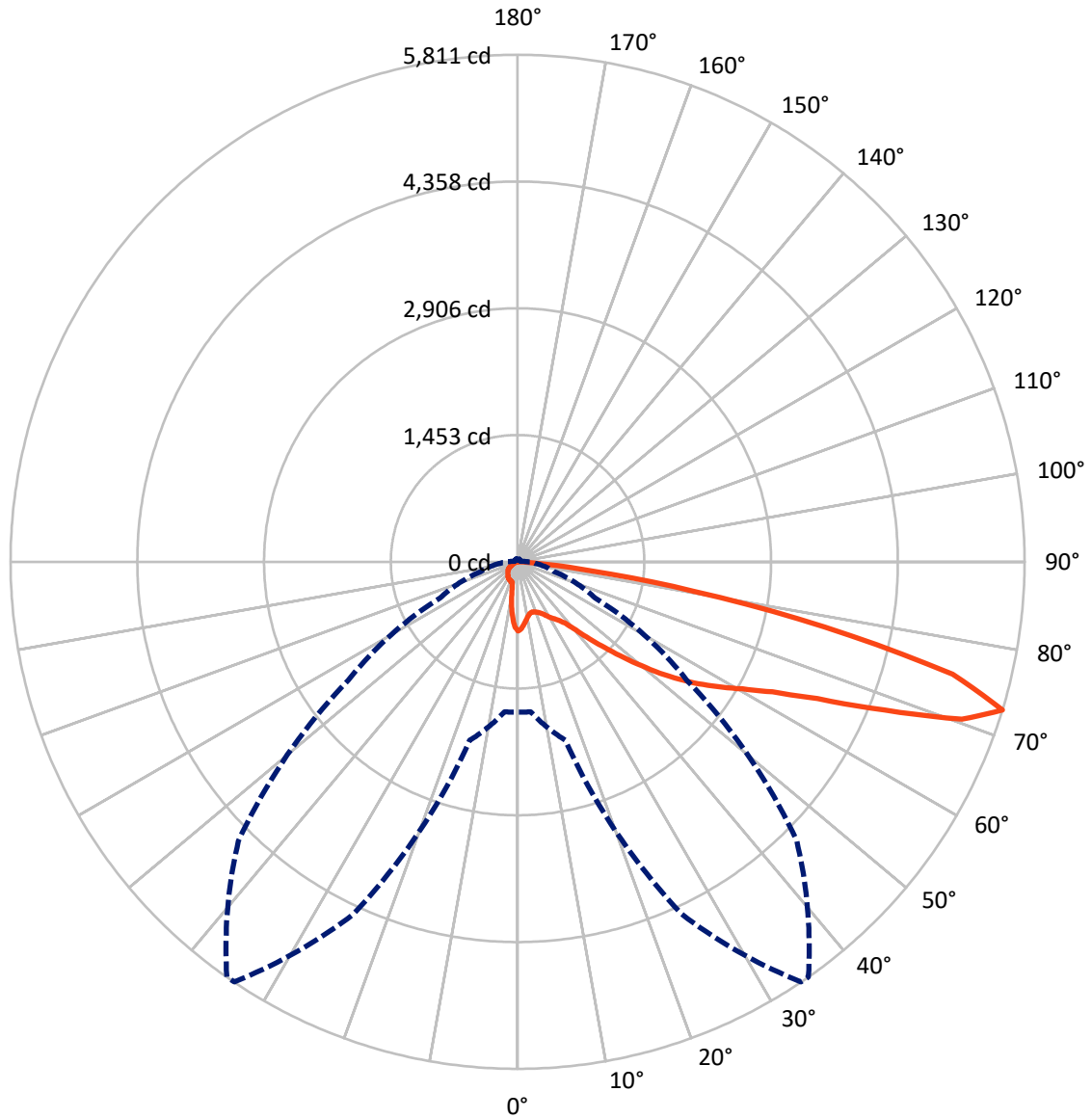
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	616.6	0.0	616.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	4862.4	0.0	4862.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	5479.0	0.0	5479.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	1.2
10°-20°	152.7	2.8
20°-30°	248.0	4.5
30°-40°	413.7	7.6
40°-50°	782.8	14.3
50°-60°	1243.9	22.7
60°-70°	1538.8	28.1
70°-80°	956.5	17.5
80°-90°	77.3	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°	5479.0	100.0
0°-180°	5479.0	100.0

Coefficient of Utilization



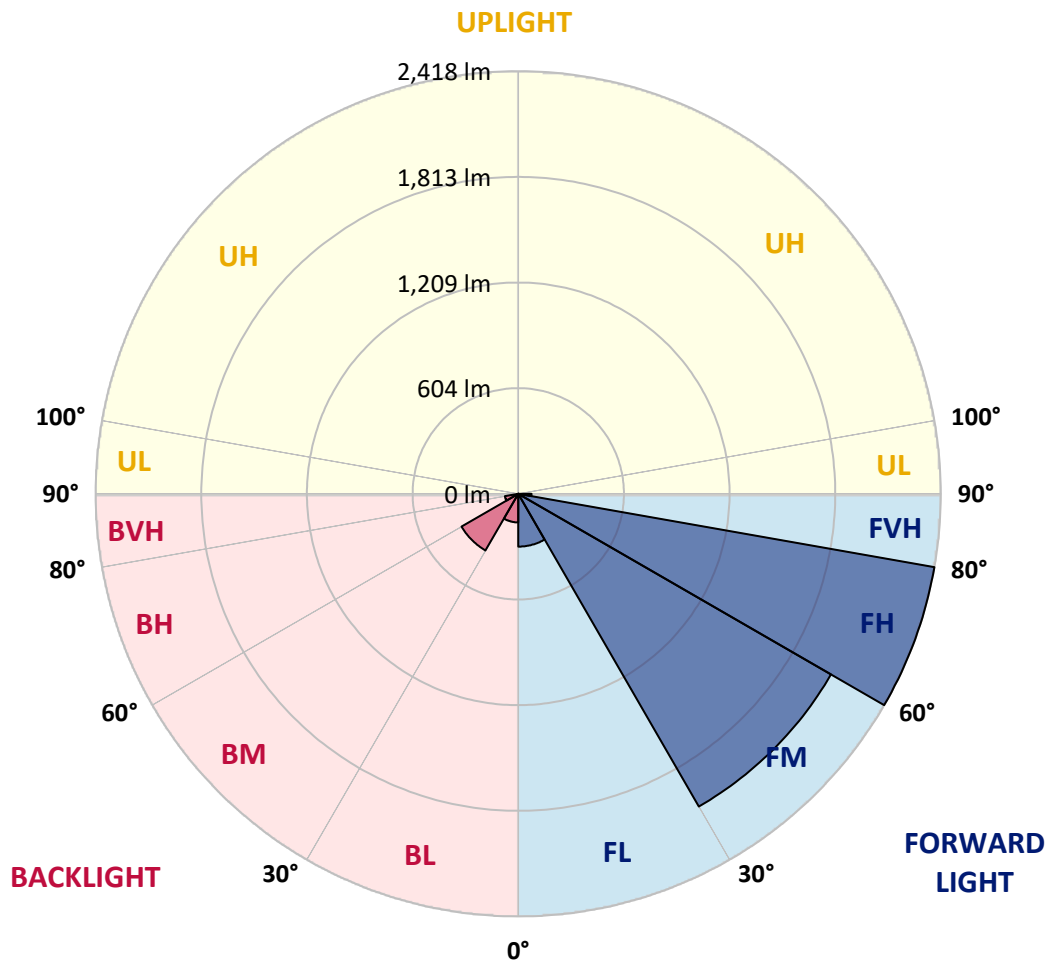
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	302.0	5.5			
FM	(30°-60°)	2066.1	37.7			
FH	(60°-80°)	2417.9	44.1			G2/5000
FVH	(80°-90°)	76.3	1.4			G1/100
BL	(0°-30°)	163.9	3.0	B1/500		
BM	(30°-60°)	374.4	6.8	B1/1000		
BH	(60°-80°)	77.4	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°	794.1	794.1	794.1	794.1	794.1	794.1	794.1	794.1	794.1	794.1
2.5°	758.8	765.2	766.4	768.4	768.4	770.8	774.8	780.4	789.7	794.5
5°	699.3	704.2	710.2	715.0	724.2	725.4	741.1	756.4	777.6	793.7
7.5°	639.5	645.1	653.2	664.8	676.9	680.5	704.2	729.9	763.6	793.7
10°	597.4	597.8	605.0	616.6	635.9	640.3	669.2	705.8	747.9	788.9
12.5°	573.7	576.5	579.7	588.5	607.0	609.8	640.7	683.7	732.3	786.1
15°	573.7	575.7	577.7	582.1	597.0	599.4	626.7	669.6	724.2	787.3
17.5°	579.7	582.9	581.3	586.5	602.2	603.8	627.9	665.6	723.8	794.9
20°	594.2	596.6	593.4	596.6	612.2	615.4	640.3	673.3	730.7	808.1
22.5°	617.0	618.3	610.6	613.0	629.1	633.1	662.0	694.9	747.1	829.4
25°	646.0	648.4	636.7	639.5	654.8	659.6	692.9	727.4	773.2	858.7
27.5°	679.3	680.5	670.4	670.0	689.7	696.5	730.3	767.6	808.1	895.7
30°	717.4	721.0	711.4	709.8	734.7	740.3	773.6	817.0	859.5	951.1
32.5°	747.5	750.3	744.7	748.7	774.0	778.4	826.2	886.8	940.2	1029.7
35°	790.9	792.5	779.6	786.9	815.8	827.0	898.1	984.8	1041.8	1128.5
37.5°	947.9	947.9	893.3	857.5	885.2	895.3	996.4	1108.0	1167.0	1261.0
40°	1165.0	1161.4	1081.5	1008.5	1004.9	1024.5	1136.5	1263.4	1328.8	1420.0
42.5°	1396.7	1391.1	1282.3	1210.0	1198.0	1204.8	1298.3	1454.9	1521.5	1613.9
45°	1602.2	1600.6	1501.1	1403.9	1382.2	1403.9	1500.3	1678.9	1726.7	1823.8
47.5°	1774.5	1774.5	1701.8	1638.4	1627.1	1640.0	1773.7	1927.4	1923.0	2047.5
50°	1972.8	1971.2	1902.1	1874.8	1886.5	1904.5	2088.4	2189.2	2126.1	2267.1
52.5°	2111.7	2121.3	2097.6	2093.2	2152.6	2184.0	2408.0	2445.3	2308.0	2475.4
55°	2221.7	2232.9	2260.2	2291.1	2405.6	2446.5	2717.5	2688.2	2460.2	2656.1
57.5°	2377.5	2361.4	2403.5	2464.6	2649.6	2699.0	3017.4	2917.4	2582.6	2802.6
60°	2566.5	2569.0	2576.2	2653.3	2893.3	2956.8	3312.9	3134.2	2661.3	2892.5
62.5°	2793.8	2797.4	2812.2	2930.7	3220.5	3280.3	3627.6	3311.7	2697.4	2867.2
65°	2778.1	2793.4	2959.2	3364.2	3717.9	3776.9	3994.9	3436.1	2642.8	2636.0
67.5°	2530.8	2555.7	2833.1	3882.1	4467.9	4533.7	4439.0	3460.6	2407.2	2049.9
70°	2206.4	2215.3	2548.9	4347.8	5336.2	5402.9	4836.4	3191.2	1826.6	1143.4
72.5°	1723.1	1725.1	2116.5	4455.8	5807.5	5811.2	4524.5	2369.0	982.4	439.2
75°	1230.9	1218.8	1417.6	3613.6	5109.4	5150.3	3391.9	1111.2	375.4	207.6
77.5°	660.0	673.3	802.1	2143.0	3529.6	3599.5	1850.7	320.4	191.1	141.3
80°	203.9	215.2	328.8	981.2	1999.3	2041.4	686.1	142.5	133.3	100.8
82.5°	64.2	66.6	153.4	412.3	829.8	849.1	198.7	80.7	91.1	66.6
85°	18.5	18.9	68.2	153.8	205.1	209.2	55.8	31.3	52.2	41.4
87.5°	2.0	6.4	25.7	25.7	18.1	17.7	6.0	6.8	14.9	5.2
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°
794.1	0°	794.1	794.1	794.1	794.1	794.1	794.1	794.1	794.1	794.1	794.1
797.7	2.5°	795.7	796.1	790.9	782.0	772.4	764.4	754.3	746.3	740.7	739.1
804.9	5°	801.3	798.5	783.7	756.8	724.6	696.9	666.0	641.5	625.5	618.7
812.6	7.5°	809.7	801.7	769.2	716.2	654.8	600.2	544.8	501.8	474.5	460.9
819.8	10°	817.0	800.9	745.1	657.6	563.7	481.0	406.3	354.5	325.6	311.9
828.2	12.5°	823.8	800.5	713.8	588.1	460.9	359.7	290.3	264.6	256.5	253.7
841.9	15°	836.6	801.7	674.5	508.7	358.5	271.8	246.5	246.1	247.7	246.9
862.7	17.5°	854.3	802.9	629.9	424.3	276.6	239.7	238.5	242.1	244.5	243.3
888.8	20°	877.2	807.7	582.5	340.8	237.7	231.6	234.5	237.7	239.7	237.7
923.8	22.5°	909.3	816.2	530.7	273.8	225.2	226.8	229.2	232.8	234.9	232.0
968.3	25°	948.7	829.4	479.7	238.1	219.2	221.2	224.8	228.8	231.2	228.4
1024.5	27.5°	999.6	850.7	432.8	230.0	213.2	214.4	219.6	225.6	228.8	225.2
1104.4	30°	1073.5	885.6	392.2	233.7	209.6	206.8	214.0	222.4	226.0	222.8
1213.2	32.5°	1171.5	935.0	367.3	239.3	208.0	197.9	204.7	215.6	221.6	219.6
1355.3	35°	1299.9	1010.1	357.7	245.7	206.8	188.7	193.5	205.1	215.6	217.6
1534.4	37.5°	1455.7	1114.5	360.5	248.5	203.1	181.1	183.5	193.5	207.2	213.6
1735.9	40°	1632.7	1236.1	376.6	245.7	199.1	174.6	175.0	182.7	194.7	204.3
1952.7	42.5°	1815.4	1378.2	406.3	235.3	195.5	169.0	167.8	173.0	181.1	187.9
2169.1	45°	1989.2	1524.3	435.6	220.8	191.1	163.4	160.6	162.6	164.2	167.0
2379.9	47.5°	2141.0	1627.1	427.2	207.6	185.1	157.0	152.2	151.4	146.5	146.1
2568.1	50°	2245.8	1649.6	379.4	194.3	176.2	149.7	142.1	137.3	128.9	124.9
2709.1	52.5°	2279.1	1560.9	309.9	181.1	161.8	140.1	129.3	121.6	111.2	107.6
2790.2	55°	2234.9	1387.0	247.7	165.0	141.7	127.3	115.2	105.2	96.8	92.3
2799.0	57.5°	2126.9	1165.8	195.9	146.1	120.4	112.8	100.8	90.7	83.5	79.1
2701.0	60°	1947.9	925.8	155.0	123.7	102.8	97.2	84.7	78.3	71.9	66.6
2448.1	62.5°	1676.1	660.8	121.6	98.0	85.9	79.5	72.3	67.4	59.8	52.6
1993.3	65°	1308.0	404.3	93.9	71.9	69.1	65.8	61.4	57.0	47.8	40.5
1300.3	67.5°	825.0	191.5	67.0	54.2	54.6	53.0	51.0	47.4	40.5	34.1
582.5	70°	363.3	92.7	44.2	41.4	40.5	40.5	42.2	40.9	34.5	28.5
202.3	72.5°	123.7	49.8	32.9	31.3	29.3	28.9	35.3	34.1	27.7	22.1
100.8	75°	64.6	33.3	24.1	22.5	17.7	21.3	28.1	26.5	19.7	14.5
66.6	77.5°	42.2	23.7	16.5	14.5	10.0	14.1	20.9	18.5	11.6	7.2
43.8	80°	26.5	15.7	9.6	6.8	4.8	7.6	11.2	8.0	4.4	1.6
25.7	82.5°	14.1	8.0	3.6	2.4	2.0	2.4	2.8	2.0	0.8	0.0
13.2	85°	5.6	2.8	1.2	0.8	0.4	0.0	0.8	0.4	0.0	0.0
2.4	87.5°	2.0	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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794.1
741.9
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225.2
222.4
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217.6
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207.6
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