

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: P845726

Luminaire Tested: **GLAN-SB1A-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4363 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

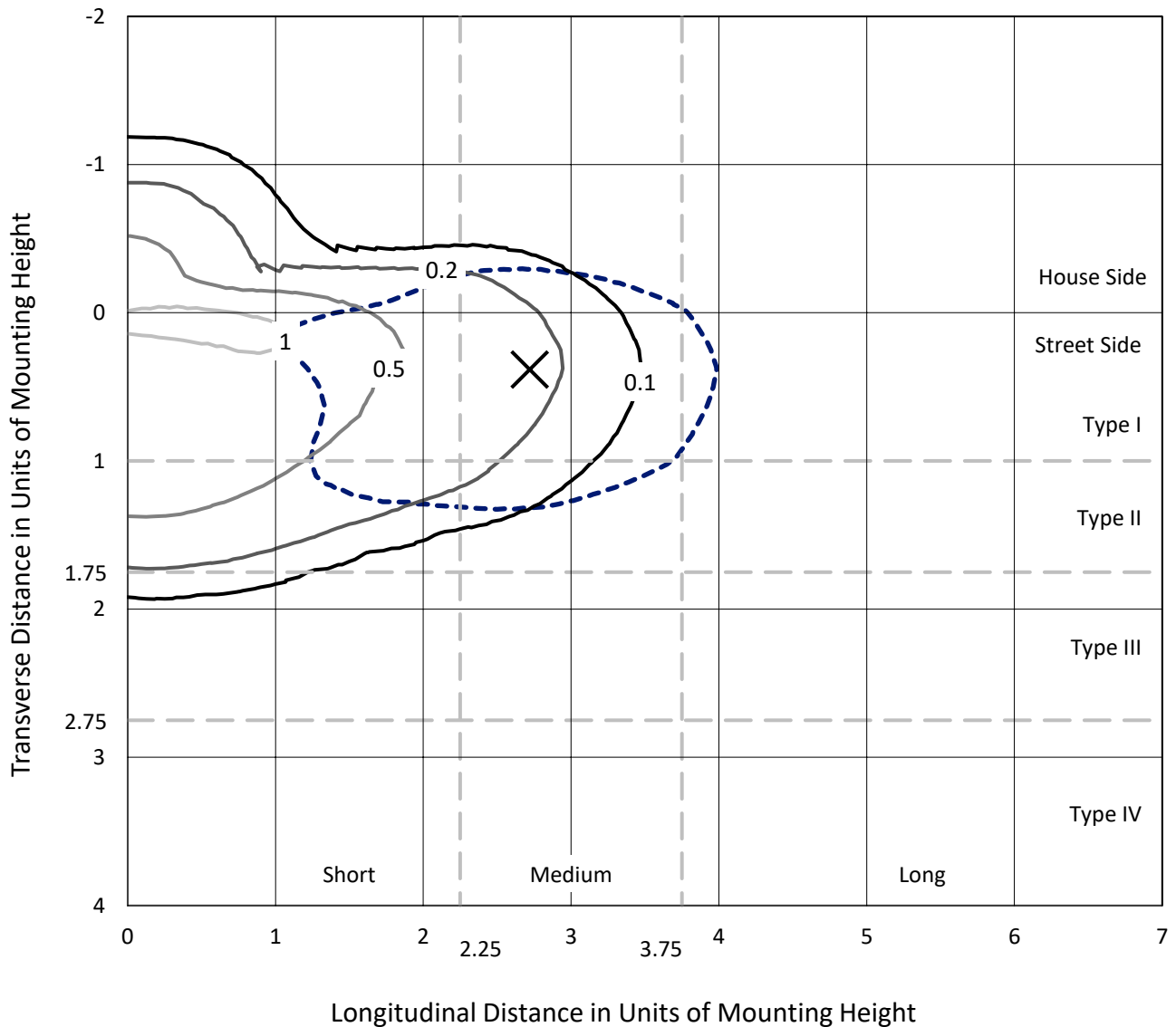
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

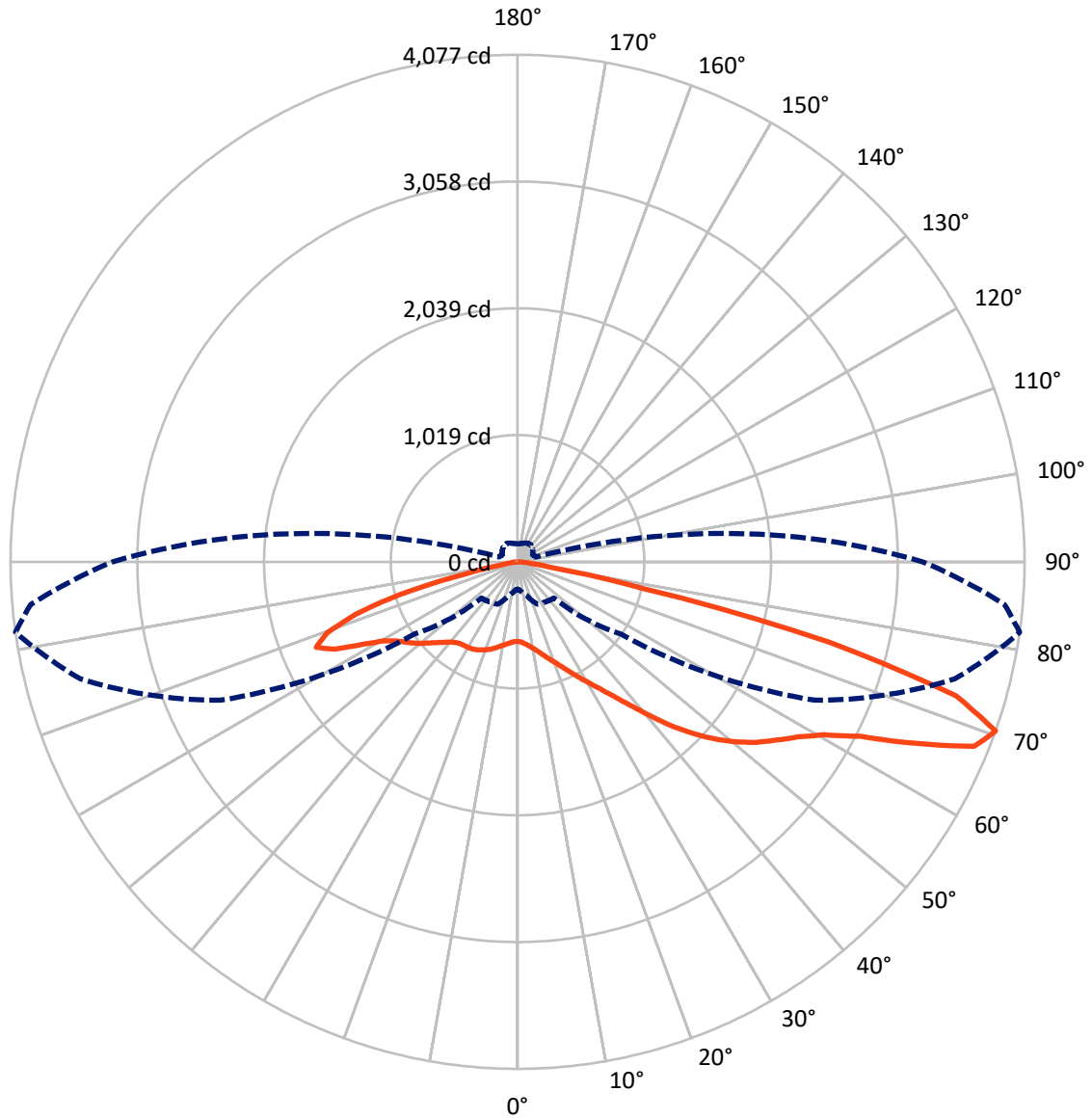
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1075.6	0.0	1075.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3287.4	0.0	3287.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	4363.0	0.0	4363.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	1.4
10°-20°	173.5	4.0
20°-30°	290.3	6.7
30°-40°	453.5	10.4
40°-50°	722.2	16.6
50°-60°	1005.1	23.0
60°-70°	1051.4	24.1
70°-80°	549.5	12.6
80°-90°	57.1	1.3
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°	4363.0	100.0
0°-180°	4363.0	100.0

Coefficient of Utilization

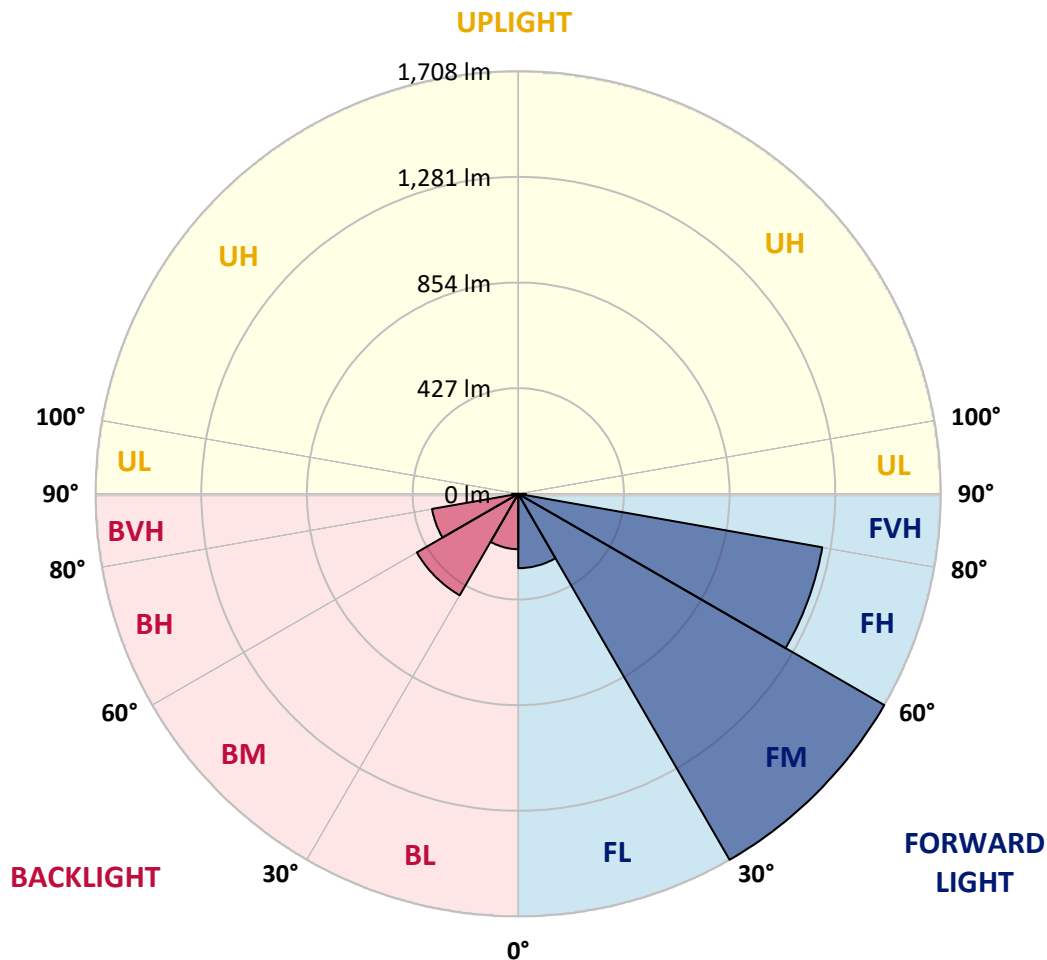


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	300.4	6.9			
FM (30°-60°)	1707.6	39.1			
FH (60°-80°)	1247.4	28.6			G1/1800
FVH (80°-90°)	31.9	0.7			G1/100
BL (0°-30°)	223.8	5.1	B1/500		
BM (30°-60°)	473.2	10.8	B1/1000		
BH (60°-80°)	353.5	8.1	B1/500		G1/500
BVH (80°-90°)	25.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7
2.5°	655.0	658.7	657.5	656.3	656.3	654.7	654.5	652.2	650.3	647.3
5°	663.3	667.2	666.8	667.7	670.7	671.4	672.1	670.7	667.0	663.3
7.5°	655.9	660.3	661.7	667.2	676.5	684.8	691.1	693.6	690.1	684.8
10°	630.9	635.7	640.6	653.8	670.2	689.9	706.6	716.5	715.8	710.7
12.5°	580.2	585.3	595.7	621.4	651.5	686.2	717.2	738.1	745.2	741.5
15°	539.7	544.1	551.9	578.3	617.4	670.2	721.2	761.7	780.0	777.9
17.5°	538.5	540.4	545.2	557.7	587.8	645.2	717.0	784.8	819.8	819.6
20°	558.9	559.6	562.3	564.9	582.0	626.2	706.3	804.0	864.5	864.5
22.5°	587.1	586.7	589.4	587.1	595.5	624.6	699.6	820.9	914.2	917.9
25°	629.5	627.2	626.5	621.1	622.8	639.7	707.0	840.2	973.3	980.9
27.5°	686.0	682.3	679.7	667.5	663.3	670.7	729.7	863.3	1039.0	1052.2
30°	759.6	752.9	749.2	727.9	712.8	714.0	764.0	894.1	1107.8	1129.1
32.5°	860.1	849.7	839.7	804.7	777.2	768.2	808.2	936.7	1182.3	1216.4
35°	972.6	964.3	953.6	899.7	857.3	836.5	867.9	996.2	1269.6	1323.6
37.5°	1080.9	1073.8	1078.9	1006.2	951.5	921.2	946.2	1076.1	1377.3	1456.9
40°	1193.0	1187.4	1188.1	1118.7	1055.0	1021.0	1041.1	1176.3	1500.7	1615.5
42.5°	1314.8	1310.6	1296.7	1235.1	1163.6	1131.9	1150.4	1292.1	1633.1	1796.1
45°	1451.1	1448.6	1435.6	1365.0	1283.0	1247.4	1272.4	1419.9	1766.2	1966.0
47.5°	1569.0	1571.0	1569.4	1509.9	1425.0	1372.6	1402.5	1553.2	1890.1	2125.8
50°	1625.7	1636.6	1652.5	1634.0	1581.2	1528.0	1533.8	1681.9	2008.1	2275.5
52.5°	1596.1	1616.7	1660.2	1689.8	1710.2	1699.1	1683.6	1809.7	2119.3	2410.7
55°	1485.6	1514.6	1586.8	1658.3	1762.3	1843.1	1863.4	1951.4	2227.6	2529.7
57.5°	1284.4	1331.4	1396.3	1541.0	1716.0	1912.8	2073.2	2148.0	2342.4	2656.8
60°	939.5	1002.5	1083.0	1298.3	1553.9	1875.5	2251.7	2449.9	2505.7	2821.4
62.5°	601.2	640.1	714.2	917.0	1210.8	1684.5	2306.3	2827.2	2782.3	3091.4
65°	411.6	436.6	504.5	618.4	782.7	1253.9	2160.0	3110.1	3221.7	3519.2
67.5°	299.1	318.1	376.0	475.8	510.0	742.0	1676.2	3097.2	3648.9	3960.0
70°	218.1	231.5	280.1	376.0	392.4	412.8	1015.4	2632.8	3639.6	4077.2
72.5°	161.6	170.9	203.5	291.7	317.6	278.7	502.6	1913.5	3127.5	3687.8
75°	116.9	123.9	147.9	223.2	254.2	212.3	250.7	1118.2	2181.5	2594.1
77.5°	89.4	94.7	110.4	163.4	203.5	159.3	155.6	514.4	1034.4	1039.5
80°	71.8	75.2	83.8	115.1	156.0	119.2	101.4	207.7	326.9	276.7
82.5°	52.8	58.6	70.8	80.8	111.6	82.2	61.8	104.9	124.3	107.0
85°	30.1	34.0	42.8	57.9	71.3	50.2	35.4	46.5	57.9	47.5
87.5°	10.6	13.9	15.0	22.7	31.0	20.8	13.7	13.4	19.0	14.1
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°
639.7	0°	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7	639.7
646.6	2.5°	644.3	643.1	638.5	632.3	625.8	619.5	617.4	613.0	610.0	608.4
661.7	5°	657.3	653.6	642.7	628.8	614.2	598.5	587.3	577.2	569.8	562.8
682.3	7.5°	675.8	669.3	650.6	626.2	600.3	574.2	554.7	539.9	529.9	523.5
706.3	10°	697.3	687.4	658.7	622.3	582.3	544.8	521.8	509.1	502.8	499.4
733.9	12.5°	722.1	708.0	667.0	613.3	554.7	511.9	496.1	492.4	492.7	492.9
768.6	15°	752.6	733.0	673.7	593.6	518.8	486.6	483.9	489.9	496.1	499.1
808.0	17.5°	787.1	759.4	674.9	561.2	483.6	470.4	479.2	492.2	501.7	505.9
852.0	20°	824.2	786.2	666.5	515.3	454.7	457.2	473.0	489.6	500.1	505.4
902.2	22.5°	866.6	814.9	646.6	467.2	431.1	442.9	461.4	477.6	488.5	493.8
961.2	25°	914.9	847.1	615.4	426.7	410.7	426.7	445.2	458.6	467.4	472.3
1027.2	27.5°	968.7	880.7	573.7	394.5	392.9	410.0	425.3	435.7	440.3	444.0
1097.4	30°	1022.6	911.2	523.2	370.2	377.4	393.6	404.5	409.1	410.5	411.2
1175.6	32.5°	1080.9	937.6	470.2	350.0	362.5	377.6	384.1	386.2	379.7	375.3
1270.5	35°	1151.5	965.9	418.3	334.1	348.0	360.9	363.0	361.2	353.5	344.5
1389.5	37.5°	1238.8	1001.1	376.9	322.7	334.3	342.9	340.3	339.9	340.6	329.9
1532.6	40°	1345.8	1046.9	346.6	313.9	323.2	325.0	317.9	321.8	325.3	309.1
1689.6	42.5°	1464.6	1102.2	327.4	307.9	313.9	309.5	298.4	302.8	302.4	281.1
1847.2	45°	1585.6	1162.4	320.6	303.5	305.4	296.6	284.3	285.5	275.7	256.5
1998.4	47.5°	1706.0	1227.0	324.8	299.8	294.7	284.8	275.3	270.2	255.8	241.5
2143.3	50°	1824.1	1294.9	340.1	292.4	280.1	274.3	267.4	258.4	243.1	230.8
2280.4	52.5°	1933.6	1363.1	357.2	280.1	261.8	265.3	260.9	250.5	235.4	222.9
2410.1	55°	2037.3	1431.4	363.9	263.2	244.7	257.4	254.9	235.7	217.6	207.4
2545.7	57.5°	2150.3	1513.6	356.5	241.7	230.8	248.4	238.7	217.4	207.0	199.3
2722.4	60°	2306.8	1642.6	340.6	215.1	217.6	235.0	218.3	209.5	198.2	189.6
2987.2	62.5°	2566.8	1883.1	314.9	188.7	202.1	215.1	208.6	199.8	188.2	179.9
3440.1	65°	2951.1	2217.4	266.5	168.1	184.7	195.6	198.2	189.4	177.3	168.5
3836.9	67.5°	3275.2	2427.2	201.6	150.9	166.9	179.9	187.1	178.5	165.8	157.2
3929.7	70°	3257.4	2274.8	154.0	134.0	151.2	164.4	173.6	166.9	153.3	145.2
3569.5	72.5°	2893.2	1903.0	124.6	116.9	135.2	148.2	159.3	154.2	140.3	132.4
2614.9	75°	2125.5	1350.9	99.6	99.6	115.3	131.3	143.5	140.3	127.6	122.0
1097.8	77.5°	896.0	566.7	78.0	82.7	95.8	112.7	128.0	129.2	118.1	125.0
290.3	80°	238.2	156.3	59.5	65.1	75.2	93.1	111.4	110.9	98.9	92.4
107.9	82.5°	90.8	61.6	42.4	45.8	54.4	71.3	88.2	91.0	78.9	68.3
42.4	85°	35.0	26.4	26.2	27.6	31.7	47.2	66.7	69.0	59.5	50.5
11.8	87.5°	9.0	7.9	9.7	9.3	14.6	25.2	38.2	39.6	36.3	21.1
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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639.7
610.3
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