

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: P845725

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

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
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-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3215 lumens
Efficiency: N/A
Efficacy: 104.0 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

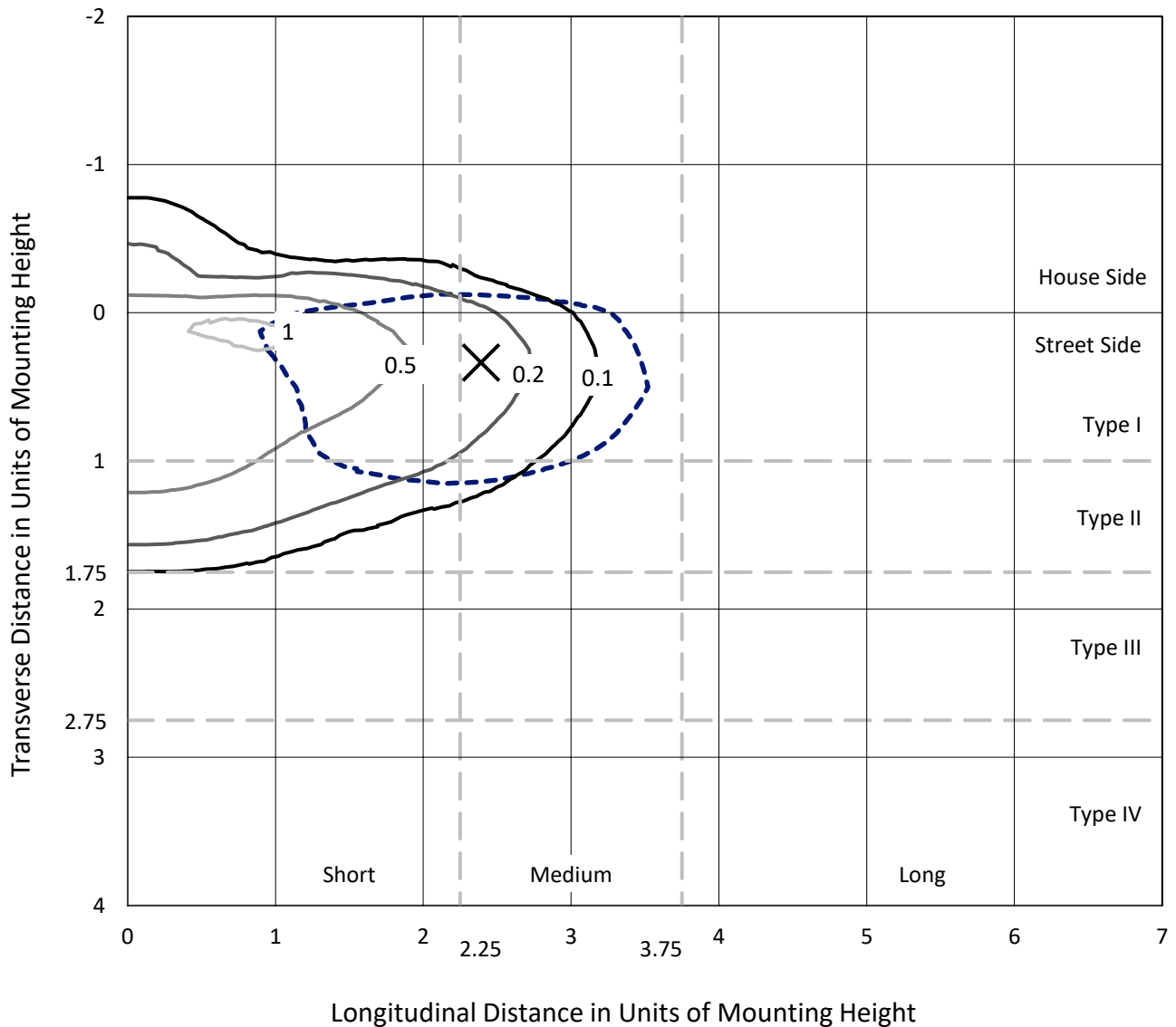
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P845725
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Iso-Footcandle Lines of Horizontal Illumination

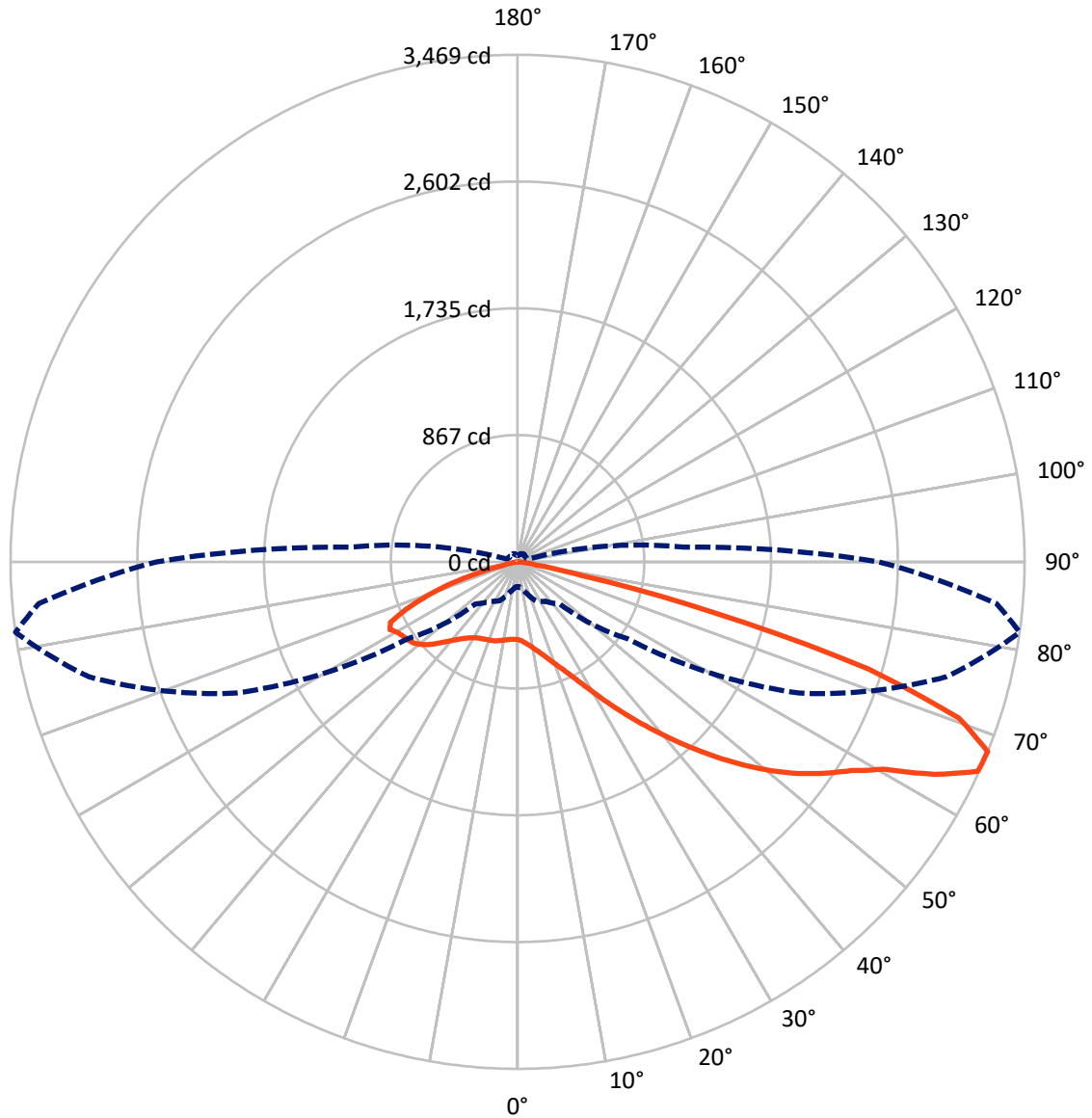
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	582.4	0.0	582.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2632.6	0.0	2632.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	3215.0	0.0	3215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	1.5
10°-20°	123.3	3.8
20°-30°	197.5	6.1
30°-40°	349.2	10.9
40°-50°	611.9	19.0
50°-60°	816.1	25.4
60°-70°	759.8	23.6
70°-80°	291.6	9.1
80°-90°	18.1	0.6
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°	3215.0	100.0
0°-180°	3215.0	100.0

Coefficient of Utilization



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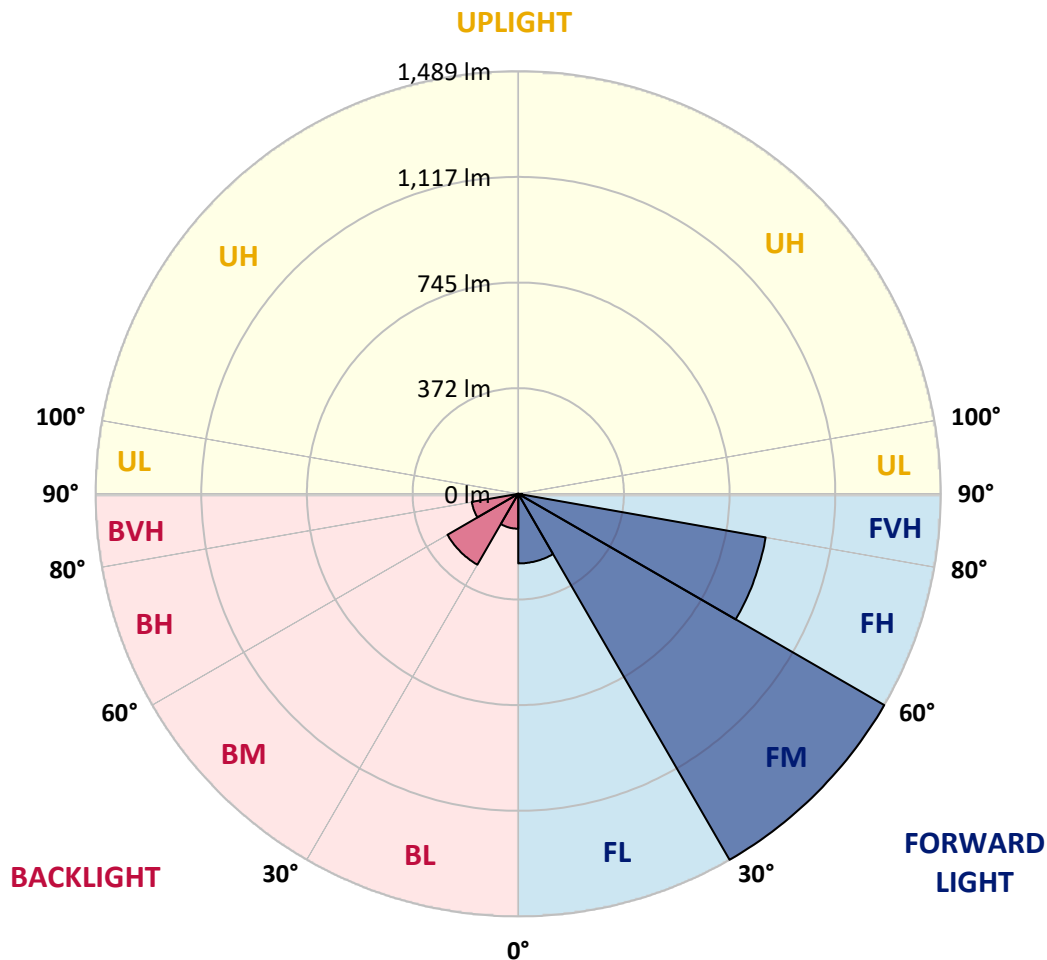
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	245.3	7.6			
FM (30°-60°)	1489.1	46.3			
FH (60°-80°)	885.1	27.5			G1/1800
FVH (80°-90°)	13.2	0.4			G1/100
BL (0°-30°)	123.0	3.8	B1/500		
BM (30°-60°)	288.2	9.0	B1/1000		
BH (60°-80°)	166.2	5.2	B1/500		G1/500
BVH (80°-90°)	4.9	0.2			G0/10
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



REPORT NUMBER: P845725
 CATALOG NUMBER: GLAN-SB1A-735-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6
2.5°	562.9	566.2	564.3	563.4	561.8	559.5	557.6	551.8	545.8	541.9
5°	574.3	577.5	577.3	578.2	579.4	580.1	579.6	573.1	564.6	557.8
7.5°	564.6	568.3	571.3	575.9	584.0	592.6	596.7	595.3	586.5	577.3
10°	537.0	540.9	548.1	559.0	576.1	594.7	610.2	617.3	611.8	601.6
12.5°	486.6	490.5	504.6	528.2	556.9	589.1	618.7	637.9	639.3	629.1
15°	429.8	433.8	448.8	478.5	522.2	573.8	623.4	659.7	672.0	663.2
17.5°	394.7	398.1	409.5	433.3	478.9	543.3	621.7	682.8	710.9	703.9
20°	384.0	387.0	392.3	409.0	447.0	511.6	611.1	704.6	752.7	748.8
22.5°	395.4	398.1	399.8	407.2	431.0	490.7	597.7	726.8	801.4	801.8
25°	421.5	424.3	422.4	427.1	437.5	484.2	592.6	753.0	862.5	867.6
27.5°	464.6	464.8	460.4	460.2	461.8	494.0	597.9	781.0	939.5	949.0
30°	550.9	547.4	530.5	512.2	503.9	523.1	612.7	814.1	1030.5	1047.4
32.5°	684.0	678.9	647.9	604.1	560.2	570.1	639.3	851.8	1129.6	1160.1
35°	828.4	827.0	794.6	729.6	652.8	637.0	682.6	901.4	1237.7	1286.3
37.5°	962.7	962.0	943.5	866.9	773.3	730.3	752.1	966.2	1353.4	1423.8
40°	1085.4	1087.5	1068.9	1000.4	906.2	850.0	846.5	1046.3	1482.1	1573.5
42.5°	1191.4	1193.7	1175.0	1124.3	1037.5	982.4	962.5	1144.4	1607.8	1734.4
45°	1263.4	1277.7	1274.9	1234.4	1172.2	1115.0	1101.8	1267.5	1751.1	1905.0
47.5°	1283.7	1296.9	1317.8	1323.3	1285.4	1229.1	1244.9	1415.9	1896.0	2075.8
50°	1233.5	1245.8	1289.1	1346.7	1373.1	1355.7	1384.0	1574.9	2044.4	2246.2
52.5°	1134.4	1146.9	1201.6	1292.8	1400.4	1455.0	1523.5	1731.6	2188.1	2407.5
55°	991.2	1004.4	1074.5	1177.7	1348.3	1496.0	1640.0	1888.1	2319.8	2552.7
57.5°	796.3	806.0	878.9	1023.3	1217.3	1455.3	1725.9	2058.9	2443.9	2695.3
60°	519.0	527.5	612.2	773.3	1000.2	1319.2	1743.0	2249.4	2608.7	2880.7
62.5°	345.1	350.9	401.1	519.4	704.4	1057.8	1642.8	2401.5	2850.3	3203.3
65°	236.8	242.6	292.8	375.2	455.1	699.7	1354.6	2381.4	3069.3	3459.6
67.5°	169.0	173.8	216.4	294.2	329.4	406.5	918.2	2124.0	3037.8	3469.3
70°	121.1	123.8	159.0	229.2	261.8	244.2	510.6	1624.5	2659.8	3203.6
72.5°	84.7	85.6	110.4	174.5	210.9	178.2	243.0	1083.1	2011.7	2514.5
75°	57.4	58.6	74.3	128.0	169.2	136.1	128.7	580.8	1181.0	1391.8
77.5°	35.2	35.6	47.9	87.5	126.6	103.7	82.9	246.1	456.9	448.6
80°	19.9	19.9	30.6	54.4	86.3	66.9	58.1	104.6	144.7	127.1
82.5°	11.1	11.3	22.2	33.8	57.2	39.6	31.9	48.4	62.5	55.3
85°	4.6	5.1	13.7	16.0	27.3	19.7	13.0	20.4	23.1	20.6
87.5°	0.5	0.7	4.2	3.0	3.2	3.9	1.9	3.9	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845725
 CATALOG NUMBER: GLAN-SB1A-735-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
532.6	0°	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6	532.6
540.5	2.5°	536.1	532.6	523.8	513.6	500.2	493.7	484.9	478.9	473.8	474.3
553.9	5°	546.5	537.7	518.0	493.5	462.9	441.2	418.0	402.1	389.1	386.3
572.4	7.5°	560.9	547.0	512.5	468.3	416.6	377.5	342.6	320.1	304.2	299.1
594.9	10°	579.4	559.2	505.3	436.6	362.3	312.5	275.0	257.4	246.5	242.8
621.3	12.5°	600.9	573.4	495.8	397.9	306.2	258.3	234.5	225.7	222.2	221.1
653.7	15°	628.0	590.9	481.5	352.1	258.8	225.2	215.0	213.9	214.3	213.9
692.6	17.5°	660.2	610.2	458.1	304.8	226.8	208.3	204.6	205.5	206.7	206.5
736.1	20°	695.3	629.1	428.2	263.0	205.1	196.3	194.2	195.1	196.1	195.6
786.3	22.5°	735.4	649.5	395.1	230.3	190.5	185.2	182.9	183.1	183.1	182.2
850.0	25°	783.3	672.0	360.4	207.2	179.4	175.2	172.4	171.5	170.1	167.4
927.3	27.5°	840.5	695.8	327.1	191.0	170.6	166.7	163.4	161.1	157.6	153.0
1020.1	30°	904.8	724.7	298.8	180.8	163.7	159.7	156.0	152.5	147.4	141.7
1126.8	32.5°	980.5	755.8	278.2	174.1	157.4	153.2	148.8	144.7	139.1	133.3
1246.7	35°	1070.8	793.3	266.2	169.4	152.5	147.0	142.1	137.5	133.3	128.2
1377.0	37.5°	1168.7	833.1	262.5	167.1	149.3	140.7	135.2	131.9	131.5	128.5
1518.0	40°	1275.9	880.3	265.3	165.7	145.8	134.7	128.7	128.0	129.2	123.8
1668.7	42.5°	1389.3	936.3	269.9	164.1	141.0	128.7	122.9	122.9	122.0	114.6
1827.9	45°	1512.0	1000.9	274.5	160.2	135.2	122.7	118.3	116.7	112.7	105.6
1988.1	47.5°	1635.6	1066.6	278.0	153.0	128.2	117.6	113.7	109.9	104.2	97.7
2145.3	50°	1752.9	1125.6	274.3	142.4	120.4	112.7	108.6	103.5	97.2	92.8
2294.1	52.5°	1857.8	1176.8	258.6	129.9	112.0	107.6	103.9	98.6	93.5	88.9
2428.4	55°	1949.0	1218.2	230.8	118.1	104.6	103.2	99.5	92.8	85.9	81.9
2561.5	57.5°	2036.5	1249.7	196.1	108.3	97.9	98.4	92.8	86.8	80.3	76.2
2740.9	60°	2152.9	1291.8	160.9	99.3	90.7	92.1	86.1	81.7	73.6	68.3
3048.5	62.5°	2339.0	1357.4	127.8	88.2	82.4	82.9	80.3	75.0	65.3	59.0
3276.5	65°	2486.7	1333.3	100.7	76.2	72.9	73.6	73.6	67.8	57.4	50.2
3288.8	67.5°	2470.0	1141.6	80.3	64.3	63.9	64.3	66.0	61.1	50.9	45.1
3038.3	70°	2275.4	908.1	64.3	53.5	55.6	54.4	59.0	55.8	45.8	40.0
2355.5	72.5°	1856.6	654.1	49.1	44.2	42.6	44.4	53.2	50.2	38.2	31.7
1247.6	75°	1084.9	349.1	36.6	35.0	30.8	37.0	47.2	42.8	29.2	23.4
382.4	77.5°	353.2	121.8	26.9	25.7	22.9	29.9	40.3	36.1	23.8	18.5
112.0	80°	94.7	36.8	18.3	16.9	14.8	22.2	31.9	28.7	17.1	12.0
48.1	82.5°	38.0	15.5	10.6	9.5	8.1	15.3	25.2	23.1	12.7	7.6
15.0	85°	12.3	5.1	3.9	3.0	3.7	9.5	15.0	15.7	9.0	3.9
2.3	87.5°	1.6	0.7	0.7	0.9	0.7	1.6	4.6	4.4	2.5	0.5
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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532.6
469.7
380.1
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