

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: P845985

Luminaire Tested: **GLAN-SB1B-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845985
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-SB1B-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2649 lumens
Efficiency: N/A
Efficacy: 66.6 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

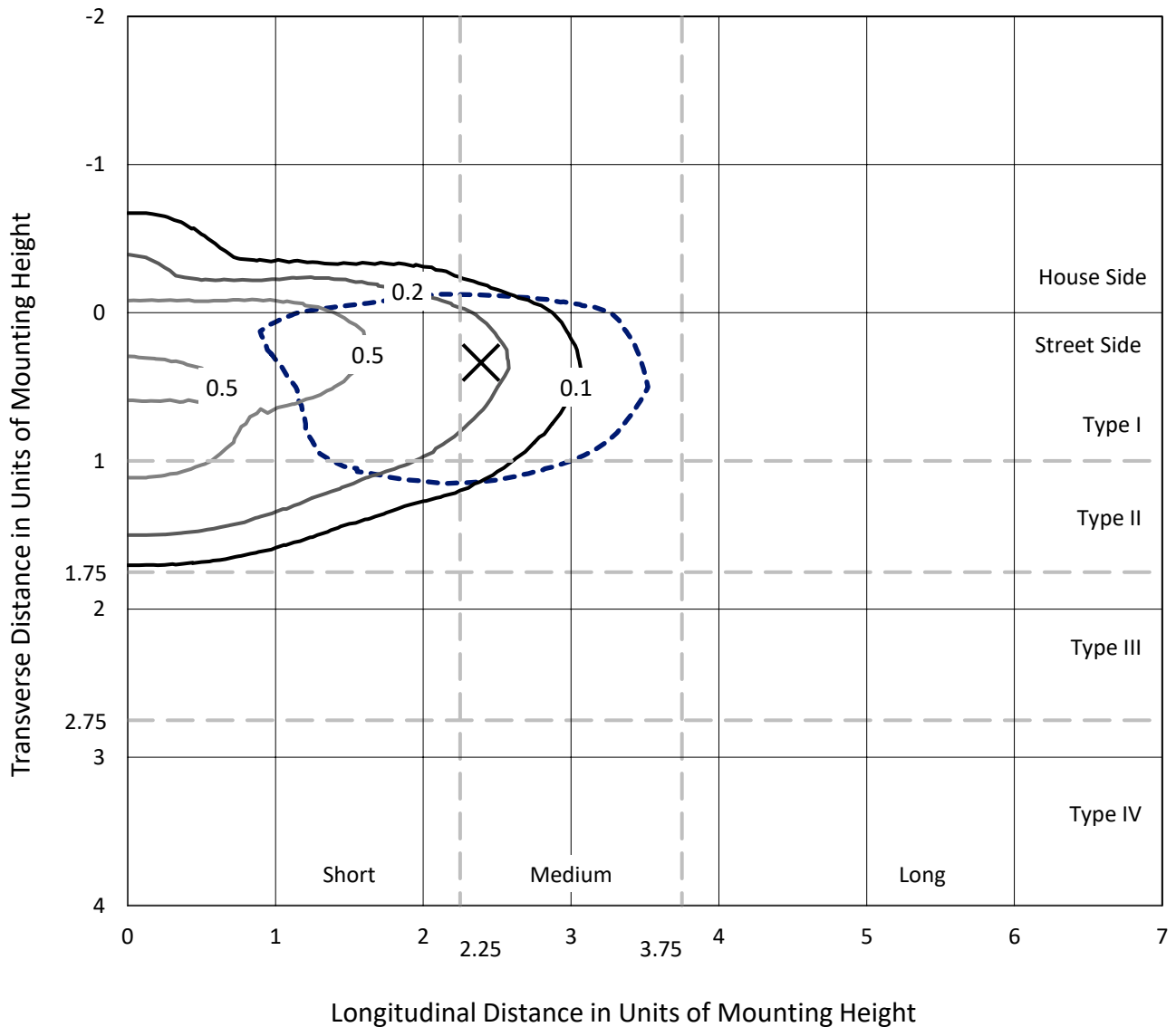
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

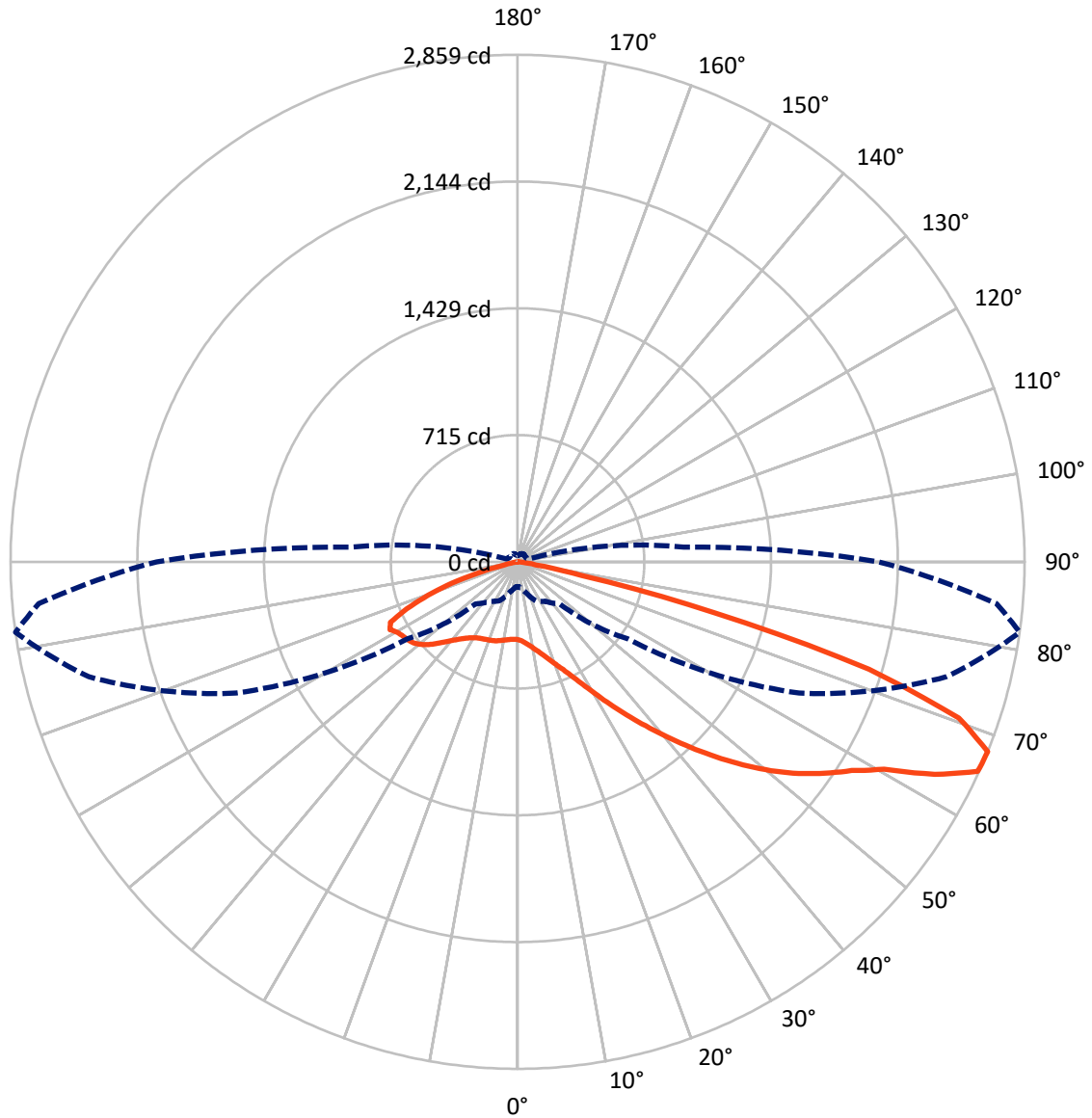
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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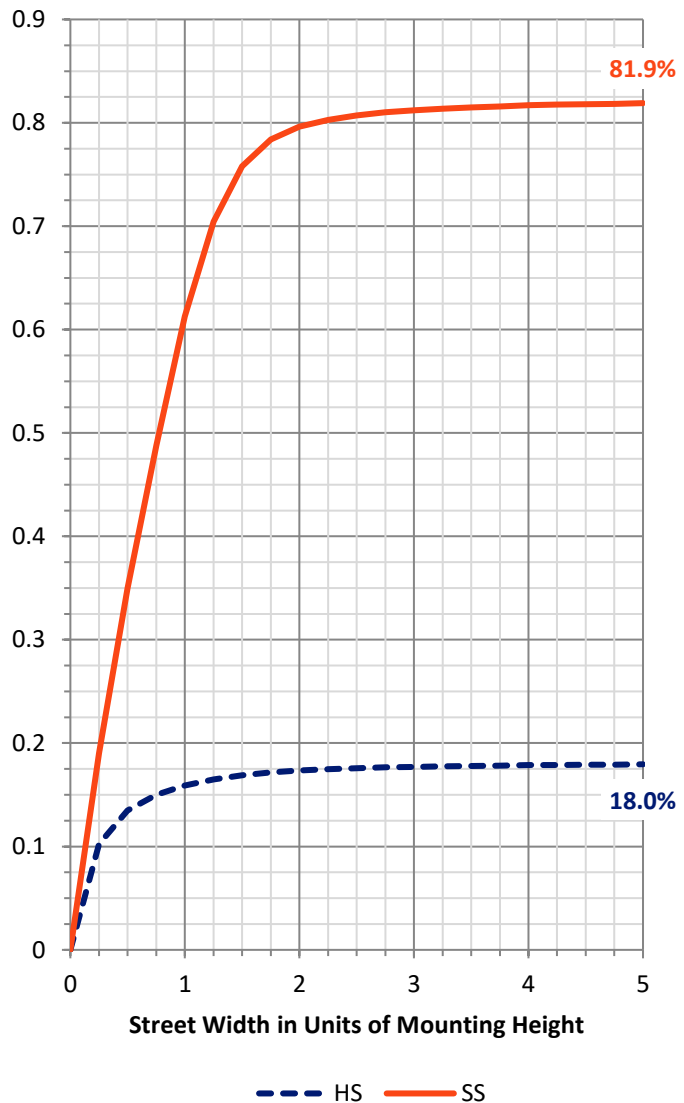
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.9	0.0	479.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2169.2	0.0	2169.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	2649.0	0.0	2649.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	1.5
10°-20°	101.6	3.8
20°-30°	162.7	6.1
30°-40°	287.8	10.9
40°-50°	504.2	19.0
50°-60°	672.4	25.4
60°-70°	626.0	23.6
70°-80°	240.3	9.1
80°-90°	14.9	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°	2649.0	100.0
0°-180°	2649.0	100.0

Coefficient of Utilization

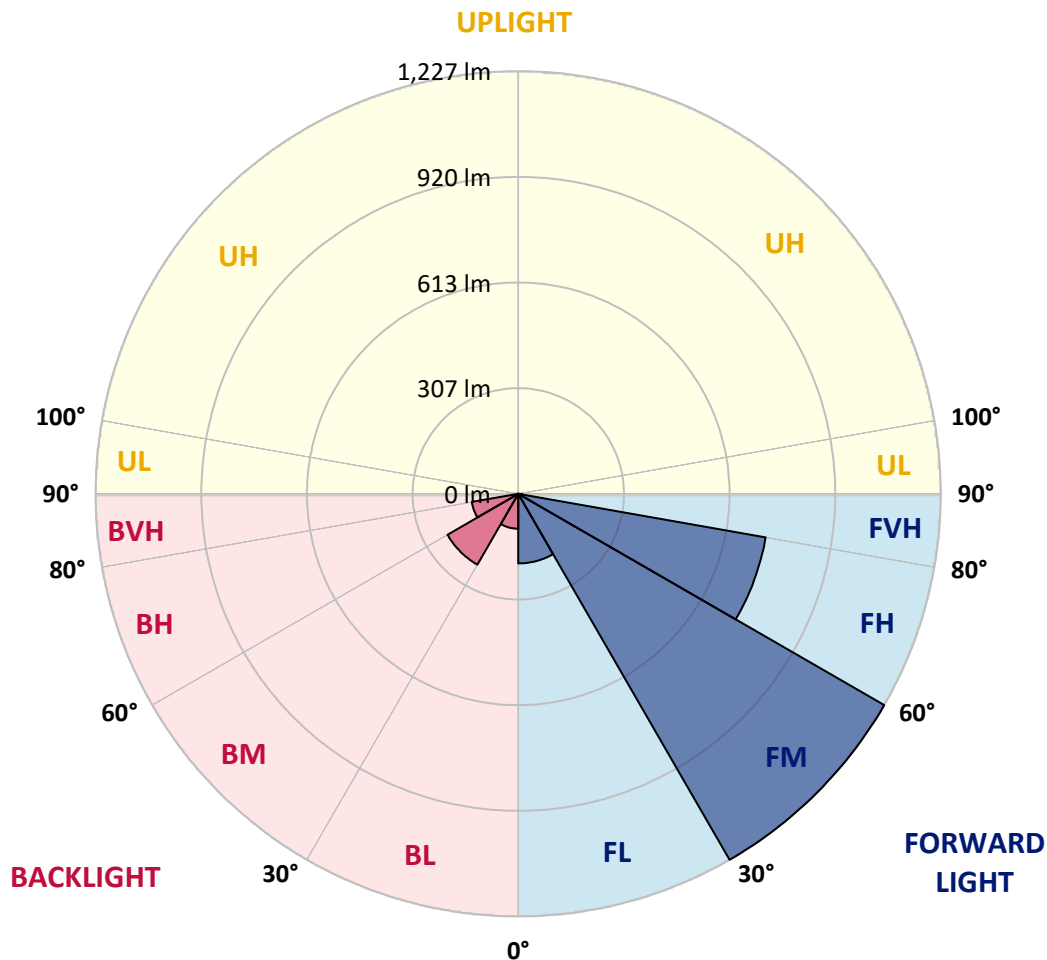


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.1	7.6			
FM (30°-60°)	1226.9	46.3			
FH (60°-80°)	729.3	27.5			G1/1800
FVH (80°-90°)	10.8	0.4			G1/100
BL (0°-30°)	101.3	3.8	B0/110		
BM (30°-60°)	237.5	9.0	B1/1000		
BH (60°-80°)	137.0	5.2	B1/500		G1/500
BVH (80°-90°)	4.1	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8
2.5°	463.8	466.5	465.0	464.2	462.9	461.0	459.4	454.7	449.7	446.5
5°	473.2	475.8	475.7	476.4	477.4	477.9	477.6	472.2	465.2	459.6
7.5°	465.2	468.2	470.7	474.5	481.2	488.2	491.7	490.5	483.3	475.7
10°	442.5	445.7	451.6	460.6	474.7	490.0	502.7	508.7	504.1	495.7
12.5°	400.9	404.1	415.8	435.2	458.9	485.4	509.8	525.6	526.8	518.4
15°	354.2	357.4	369.8	394.2	430.3	472.8	513.6	543.6	553.7	546.4
17.5°	325.2	328.0	337.4	357.0	394.6	447.6	512.3	562.6	585.7	580.0
20°	316.4	318.9	323.3	337.0	368.3	421.5	503.5	580.6	620.2	617.0
22.5°	325.8	328.0	329.4	335.5	355.1	404.3	492.4	598.9	660.3	660.7
25°	347.3	349.6	348.1	351.9	360.5	399.0	488.2	620.4	710.6	714.8
27.5°	382.8	383.0	379.3	379.2	380.5	407.0	492.6	643.5	774.1	782.0
30°	453.9	451.1	437.1	422.1	415.2	431.0	504.8	670.8	849.1	863.0
32.5°	563.6	559.4	533.8	497.8	461.5	469.7	526.8	701.9	930.7	955.9
35°	682.6	681.4	654.7	601.2	537.8	524.9	562.4	742.7	1019.8	1059.8
37.5°	793.2	792.6	777.4	714.3	637.2	601.7	619.7	796.1	1115.1	1173.1
40°	894.3	896.0	880.8	824.3	746.7	700.3	697.5	862.1	1221.2	1296.5
42.5°	981.6	983.5	968.1	926.3	854.8	809.4	793.0	942.9	1324.7	1429.1
45°	1041.0	1052.8	1050.5	1017.1	965.8	918.7	907.8	1044.4	1442.8	1569.6
47.5°	1057.7	1068.6	1085.8	1090.4	1059.1	1012.7	1025.7	1166.6	1562.2	1710.4
50°	1016.4	1026.5	1062.1	1109.6	1131.4	1117.1	1140.3	1297.7	1684.5	1850.8
52.5°	934.7	945.0	990.0	1065.2	1153.9	1198.9	1255.3	1426.8	1802.9	1983.7
55°	816.7	827.5	885.3	970.4	1111.0	1232.6	1351.3	1555.7	1911.4	2103.3
57.5°	656.1	664.1	724.2	843.2	1003.0	1199.1	1422.0	1696.5	2013.6	2220.8
60°	427.6	434.7	504.5	637.2	824.1	1086.9	1436.1	1853.4	2149.4	2373.5
62.5°	284.4	289.1	330.5	428.0	580.4	871.6	1353.5	1978.7	2348.5	2639.4
65°	195.1	199.9	241.3	309.2	375.0	576.6	1116.1	1962.1	2529.0	2850.5
67.5°	139.2	143.2	178.3	242.4	271.4	334.9	756.6	1750.1	2503.0	2858.5
70°	99.7	102.0	131.0	188.8	215.7	201.2	420.7	1338.5	2191.6	2639.6
72.5°	69.8	70.6	91.0	143.8	173.7	146.9	200.3	892.4	1657.6	2071.8
75°	47.3	48.3	61.2	105.5	139.4	112.1	106.0	478.5	973.1	1146.8
77.5°	29.0	29.4	39.5	72.1	104.3	85.4	68.3	202.7	376.5	369.6
80°	16.4	16.4	25.2	44.8	71.1	55.1	47.9	86.2	119.2	104.7
82.5°	9.2	9.3	18.3	27.8	47.1	32.6	26.3	39.9	51.5	45.6
85°	3.8	4.2	11.3	13.2	22.5	16.2	10.7	16.8	19.1	17.0
87.5°	0.4	0.6	3.4	2.5	2.7	3.2	1.5	3.2	2.7	2.7
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°
438.8	0°	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8
445.3	2.5°	441.7	438.8	431.6	423.2	412.1	406.8	399.6	394.6	390.4	390.8
456.4	5°	450.3	443.0	426.8	406.6	381.4	363.5	344.4	331.3	320.6	318.3
471.7	7.5°	462.1	450.7	422.3	385.8	343.3	311.1	282.3	263.8	250.6	246.4
490.2	10°	477.4	460.8	416.3	359.7	298.5	257.5	226.6	212.1	203.1	200.1
511.9	12.5°	495.1	472.4	408.5	327.8	252.3	212.8	193.2	186.0	183.1	182.1
538.6	15°	517.4	486.9	396.7	290.1	213.2	185.6	177.2	176.2	176.6	176.2
570.6	17.5°	543.9	502.7	377.4	251.2	186.9	171.6	168.6	169.4	170.3	170.1
606.5	20°	572.9	518.4	352.8	216.7	169.0	161.7	160.0	160.8	161.5	161.2
647.9	22.5°	605.9	535.2	325.6	189.8	157.0	152.6	150.7	150.9	150.9	150.1
700.3	25°	645.4	553.7	297.0	170.7	147.8	144.4	142.1	141.3	140.2	137.9
764.0	27.5°	692.5	573.3	269.5	157.3	140.6	137.3	134.6	132.7	129.9	126.1
840.5	30°	745.5	597.1	246.2	149.0	134.8	131.6	128.5	125.7	121.5	116.7
928.4	32.5°	807.9	622.7	229.2	143.4	129.7	126.3	122.6	119.2	114.6	109.9
1027.2	35°	882.3	653.6	219.3	139.6	125.7	121.1	117.1	113.3	109.9	105.7
1134.6	37.5°	963.0	686.4	216.3	137.7	123.0	116.0	111.4	108.7	108.3	105.9
1250.8	40°	1051.3	725.3	218.6	136.6	120.2	111.0	106.0	105.5	106.4	102.0
1374.9	42.5°	1144.7	771.5	222.4	135.2	116.1	106.0	101.3	101.3	100.5	94.4
1506.1	45°	1245.8	824.7	226.2	132.0	111.4	101.1	97.5	96.1	92.9	87.0
1638.1	47.5°	1347.6	878.8	229.1	126.1	105.7	96.9	93.6	90.6	85.8	80.5
1767.6	50°	1444.3	927.5	226.0	117.3	99.2	92.9	89.4	85.3	80.1	76.5
1890.2	52.5°	1530.7	969.6	213.0	107.0	92.3	88.7	85.6	81.2	77.1	73.2
2000.9	55°	1605.9	1003.8	190.1	97.3	86.2	85.1	82.0	76.5	70.8	67.5
2110.5	57.5°	1678.0	1029.7	161.5	89.3	80.7	81.1	76.5	71.5	66.2	62.7
2258.3	60°	1773.9	1064.4	132.6	81.8	74.8	75.9	70.9	67.3	60.6	56.3
2511.8	62.5°	1927.2	1118.4	105.3	72.7	67.9	68.3	66.2	61.8	53.8	48.6
2699.7	65°	2048.9	1098.6	83.0	62.7	60.1	60.6	60.6	55.9	47.3	41.4
2709.8	67.5°	2035.2	940.6	66.2	53.0	52.6	53.0	54.4	50.4	42.0	37.2
2503.4	70°	1874.8	748.2	53.0	44.1	45.8	44.8	48.6	46.0	37.8	33.0
1940.8	72.5°	1529.8	539.0	40.4	36.4	35.1	36.6	43.9	41.4	31.5	26.1
1028.0	75°	893.9	287.6	30.1	28.8	25.4	30.5	38.9	35.3	24.0	19.3
315.1	77.5°	291.0	100.3	22.1	21.2	18.9	24.6	33.2	29.8	19.6	15.3
92.3	80°	78.0	30.3	15.1	13.9	12.2	18.3	26.3	23.6	14.1	9.9
39.7	82.5°	31.3	12.8	8.8	7.8	6.7	12.6	20.8	19.1	10.5	6.3
12.4	85°	10.1	4.2	3.2	2.5	3.1	7.8	12.4	13.0	7.4	3.2
1.9	87.5°	1.3	0.6	0.6	0.8	0.6	1.3	3.8	3.6	2.1	0.4
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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438.8
387.0
313.2
242.2
197.8
181.6
176.0
169.7
161.0
149.7
137.5
125.7
116.3
110.0
105.3
105.7
102.2
94.4
86.8
80.3
75.9
72.9
67.1
62.4
55.7
48.3
40.8
36.4
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