

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: P852514

Luminaire Tested: **GLAN-SB4B-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852514
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-SB4B-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11004 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

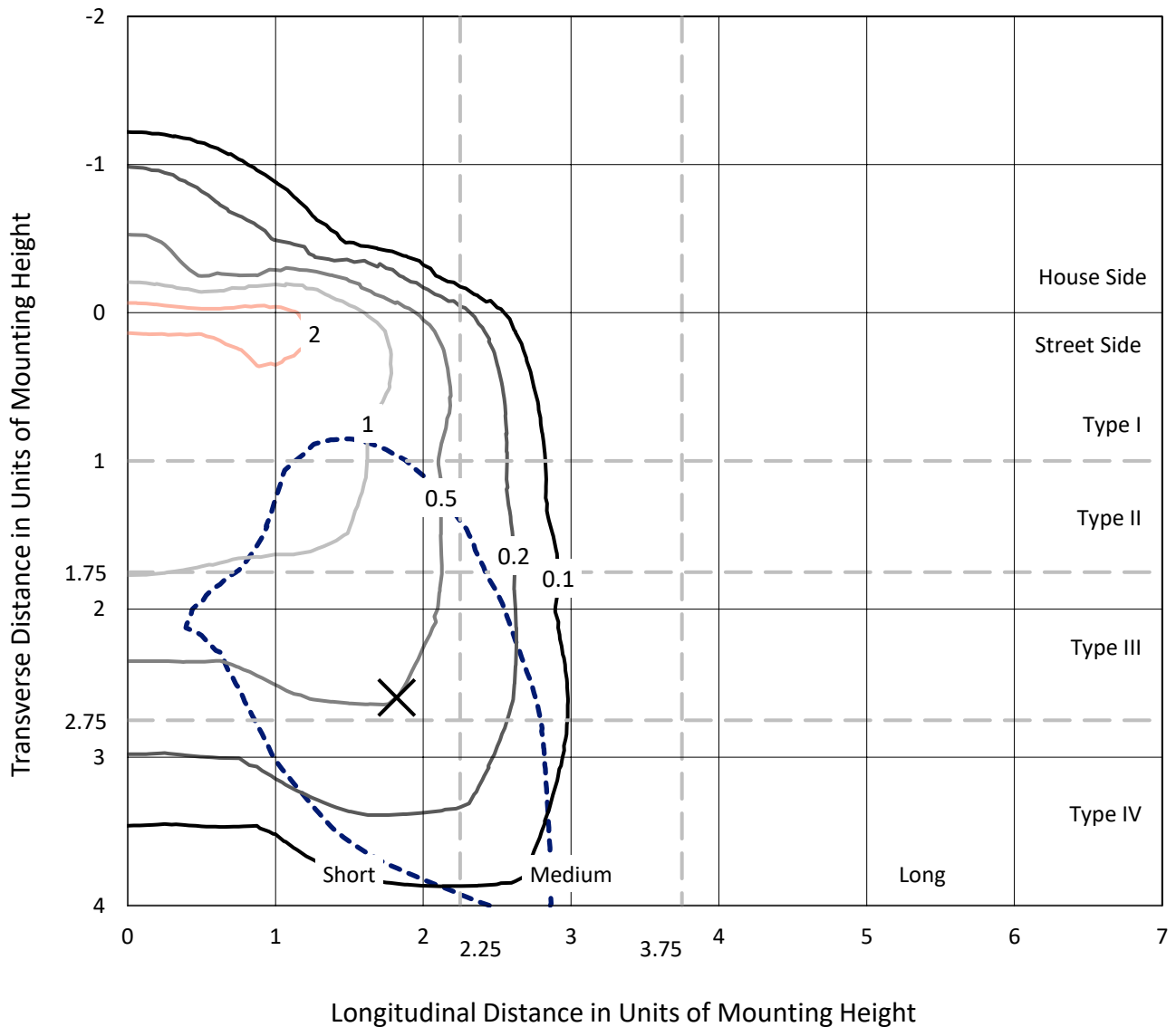
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

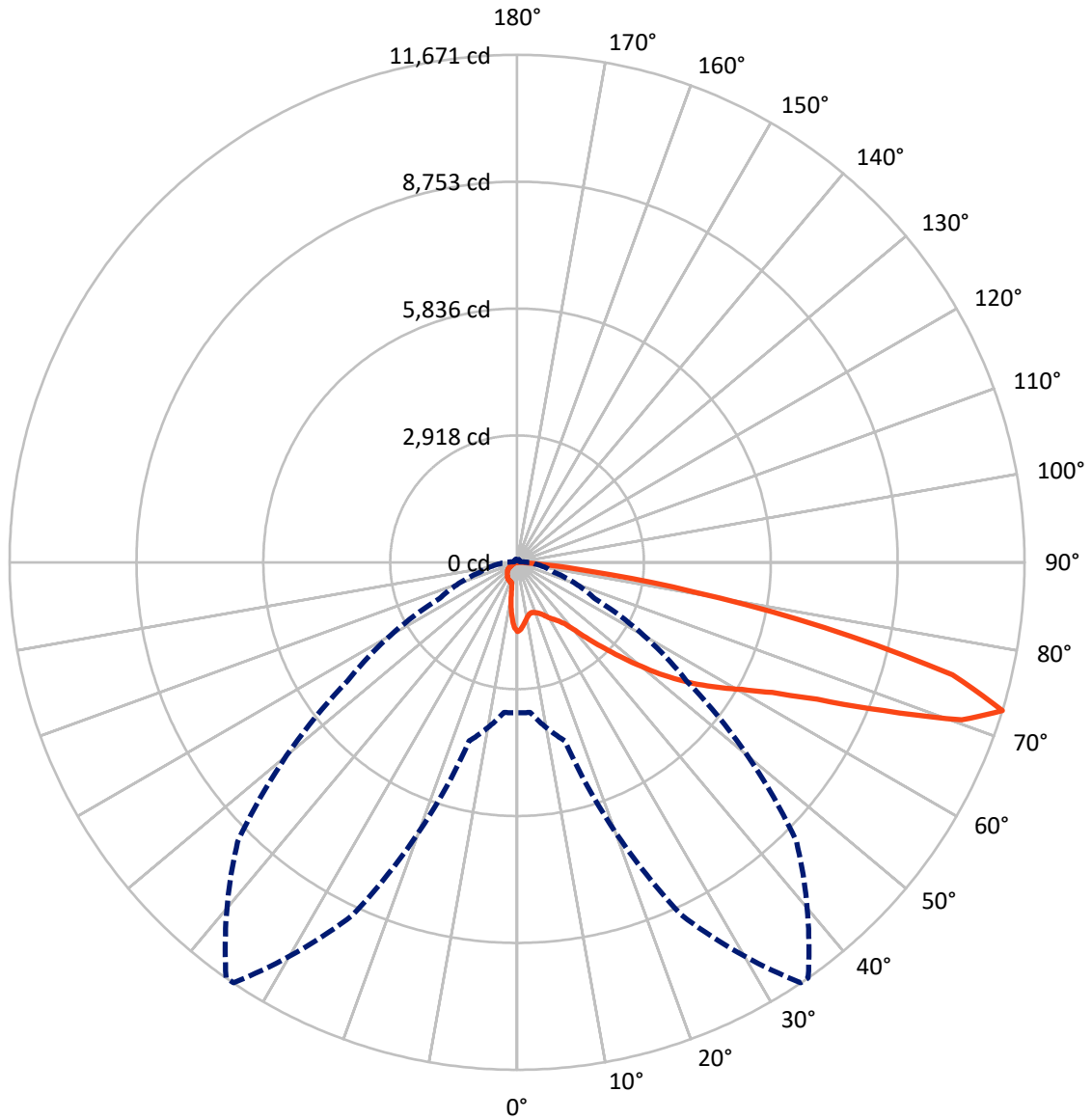
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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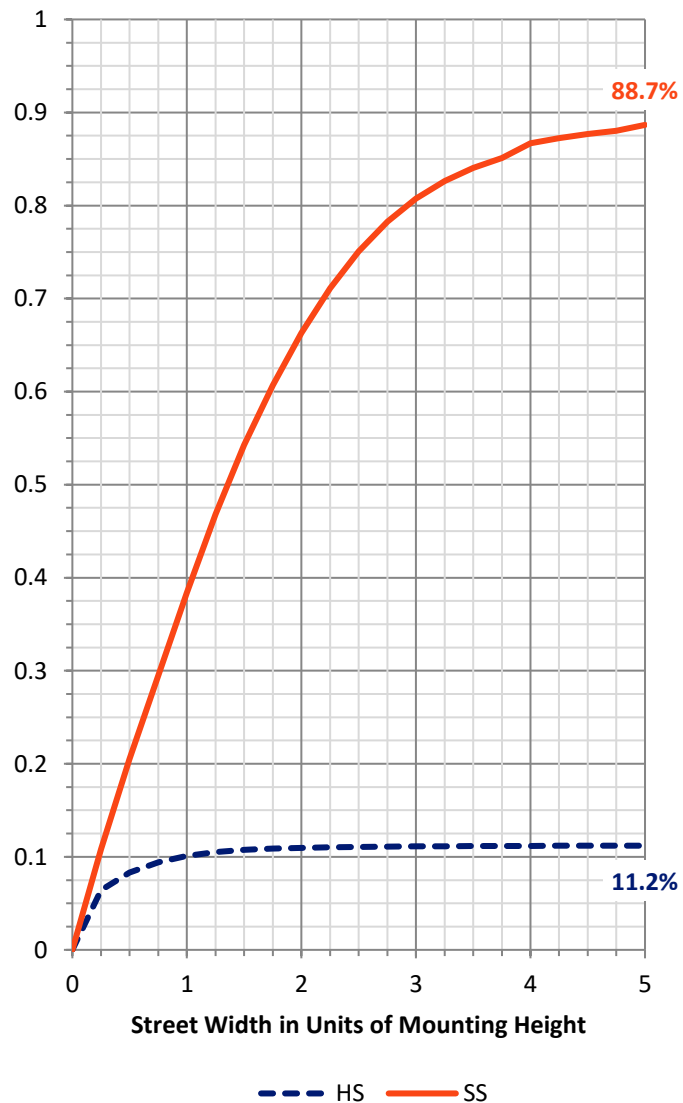
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1238.4	0.0	1238.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	9765.5	0.0	9765.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	11004.0	0.0	11004.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.1	1.2
10°-20°	306.6	2.8
20°-30°	498.0	4.5
30°-40°	831.0	7.6
40°-50°	1572.2	14.3
50°-60°	2498.2	22.7
60°-70°	3090.5	28.1
70°-80°	1921.1	17.5
80°-90°	155.2	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°	11004.0	100.0
0°-180°	11004.0	100.0

Coefficient of Utilization



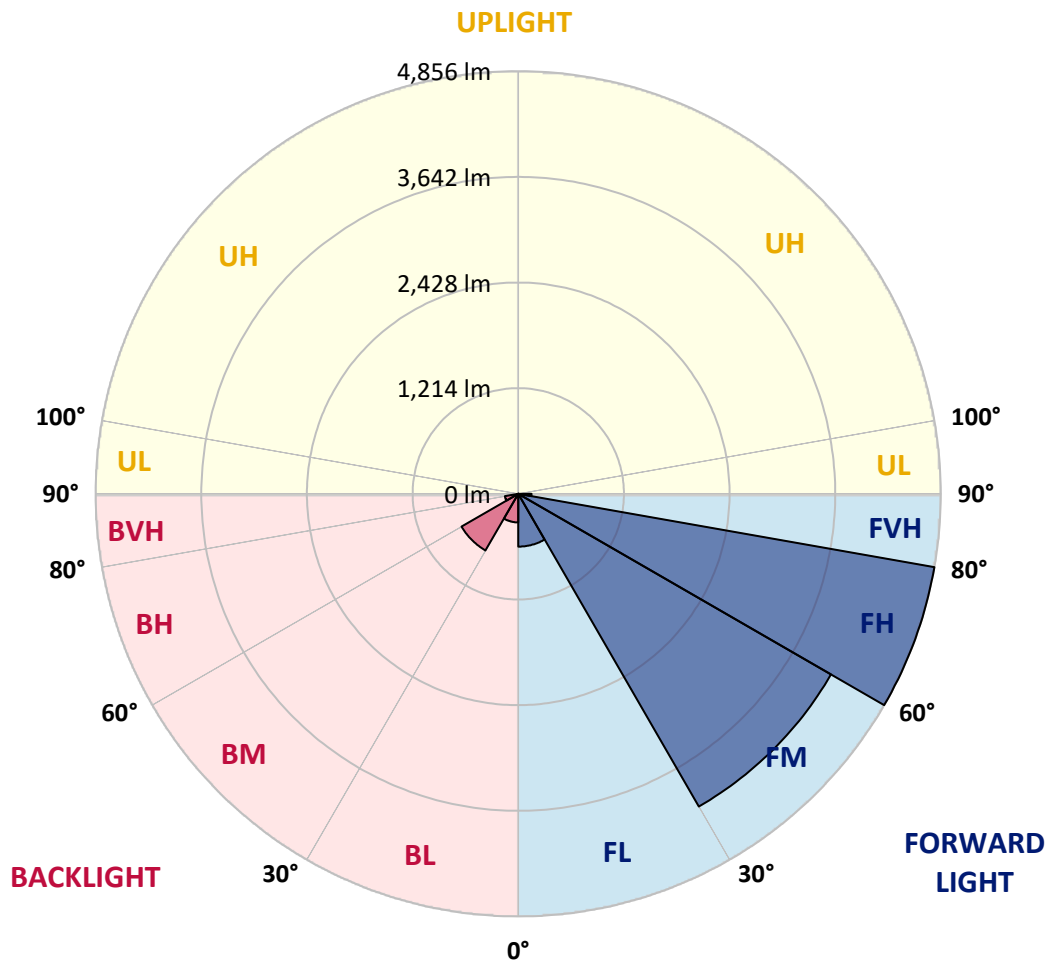
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	606.6	5.5			
FM	(30°-60°)	4149.6	37.7			
FH	(60°-80°)	4856.2	44.1			G2/5000
FVH	(80°-90°)	153.1	1.4			G2/225
BL	(0°-30°)	329.1	3.0	B1/500		
BM	(30°-60°)	751.8	6.8	B1/1000		
BH	(60°-80°)	155.4	1.4	B1/500		G1/500
BVH	(80°-90°)	2.1	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°	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8
2.5°	1523.9	1536.8	1539.2	1543.2	1543.2	1548.1	1556.1	1567.4	1586.0	1595.7
5°	1404.6	1414.2	1426.3	1436.0	1454.6	1457.0	1488.4	1519.1	1561.8	1594.0
7.5°	1284.4	1295.7	1311.8	1335.2	1359.4	1366.7	1414.2	1465.8	1533.6	1594.0
10°	1199.8	1200.6	1215.1	1238.5	1277.2	1286.0	1344.1	1417.5	1502.1	1584.4
12.5°	1152.2	1157.8	1164.3	1182.0	1219.1	1224.8	1286.8	1373.1	1470.7	1578.7
15°	1152.2	1156.2	1160.3	1169.1	1199.0	1203.8	1258.6	1344.9	1454.6	1581.1
17.5°	1164.3	1170.7	1167.5	1178.0	1209.4	1212.7	1261.0	1336.8	1453.7	1596.5
20°	1193.3	1198.2	1191.7	1198.2	1229.6	1236.0	1286.0	1352.2	1467.5	1623.1
22.5°	1239.3	1241.7	1226.4	1231.2	1263.5	1271.5	1329.6	1395.7	1500.5	1665.8
25°	1297.3	1302.2	1278.8	1284.4	1315.1	1324.7	1391.7	1461.0	1552.9	1724.7
27.5°	1364.2	1366.7	1346.5	1345.7	1385.2	1398.9	1466.6	1541.6	1623.1	1798.8
30°	1440.8	1448.1	1428.8	1425.5	1475.5	1486.8	1553.7	1640.8	1726.3	1910.1
32.5°	1501.3	1507.0	1495.7	1503.7	1554.5	1563.4	1659.4	1781.1	1888.3	2068.1
35°	1588.4	1591.6	1565.8	1580.3	1638.4	1661.0	1803.7	1977.8	2092.3	2266.5
37.5°	1903.7	1903.7	1794.0	1722.2	1777.9	1798.0	2001.2	2225.4	2343.9	2532.6
40°	2339.9	2332.6	2172.2	2025.4	2018.2	2057.7	2282.6	2537.4	2668.8	2851.9
42.5°	2805.1	2793.8	2575.3	2430.2	2406.0	2419.7	2607.6	2922.0	3055.9	3241.3
45°	3217.9	3214.7	3014.7	2819.6	2776.1	2819.6	3013.1	3371.9	3467.9	3663.0
47.5°	3563.8	3563.8	3417.9	3290.5	3267.9	3293.7	3562.2	3871.0	3862.1	4112.1
50°	3962.1	3958.9	3820.2	3765.4	3788.8	3825.1	4194.3	4396.7	4270.1	4553.1
52.5°	4241.1	4260.5	4212.9	4204.0	4323.3	4386.2	4836.1	4911.1	4635.4	4971.6
55°	4462.0	4484.6	4539.4	4601.5	4831.3	4913.6	5457.8	5398.9	4941.0	5334.4
57.5°	4774.9	4742.6	4827.3	4949.8	5321.5	5420.7	6060.1	5859.3	5186.9	5628.7
60°	5154.6	5159.5	5174.0	5328.8	5811.0	5938.4	6653.5	6294.7	5344.9	5809.3
62.5°	5611.0	5618.3	5648.1	5885.9	6468.1	6588.2	7285.7	6651.1	5417.5	5758.5
65°	5579.6	5610.2	5943.2	6756.7	7467.1	7585.6	8023.4	6901.1	5307.8	5294.1
67.5°	5082.9	5132.9	5690.0	7796.9	8973.2	9105.5	8915.2	6950.2	4834.5	4116.9
70°	4431.4	4449.1	5119.2	8732.2	10717.3	10851.1	9713.4	6409.2	3668.6	2296.3
72.5°	3460.6	3464.6	4250.8	8949.1	11663.8	11671.1	9086.9	4757.9	1973.0	882.1
75°	2472.1	2447.9	2847.0	7257.4	10261.7	10343.9	6812.4	2231.8	753.9	416.9
77.5°	1325.5	1352.2	1611.0	4304.0	7088.9	7229.2	3717.0	643.4	383.8	283.8
80°	409.6	432.2	660.4	1970.6	4015.3	4100.0	1378.0	286.2	267.7	202.4
82.5°	129.0	133.8	308.0	828.1	1666.6	1705.3	399.1	162.1	183.0	133.8
85°	37.1	37.9	137.1	308.8	412.0	420.1	112.1	62.9	104.8	83.0
87.5°	4.0	12.9	51.6	51.6	36.3	35.5	12.1	13.7	29.8	10.5
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°
1594.8	0°	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8	1594.8
1602.1	2.5°	1598.1	1598.9	1588.4	1570.7	1551.3	1535.2	1515.0	1498.9	1487.6	1484.4
1616.6	5°	1609.4	1603.7	1573.9	1519.9	1455.4	1399.7	1337.6	1288.5	1256.2	1242.5
1631.9	7.5°	1626.3	1610.2	1544.9	1438.4	1315.1	1205.4	1094.1	1007.9	953.0	925.6
1646.5	10°	1640.8	1608.6	1496.5	1320.7	1132.0	965.9	816.0	712.0	653.9	626.5
1663.4	12.5°	1654.5	1607.7	1433.6	1181.2	925.6	722.4	583.0	531.3	515.2	509.6
1690.8	15°	1680.3	1610.2	1354.6	1021.6	720.0	545.9	495.1	494.3	497.5	495.9
1732.7	17.5°	1715.8	1612.6	1265.1	852.3	555.5	481.4	478.9	486.2	491.0	488.6
1785.1	20°	1761.8	1622.3	1169.9	684.5	477.3	465.2	470.9	477.3	481.4	477.3
1855.3	22.5°	1826.3	1639.2	1065.9	549.9	452.3	455.6	460.4	467.7	471.7	466.0
1944.8	25°	1905.3	1665.8	963.5	478.1	440.2	444.3	451.5	459.6	464.4	458.8
2057.7	27.5°	2007.7	1708.5	869.2	462.0	428.1	430.6	441.0	453.1	459.6	452.3
2218.1	30°	2156.0	1778.7	787.7	469.3	420.9	415.2	429.8	446.7	453.9	447.5
2436.6	32.5°	2352.8	1877.9	737.8	480.6	417.7	397.5	411.2	433.0	445.1	441.0
2722.0	35°	2610.8	2028.6	718.4	493.5	415.2	379.0	388.6	412.0	433.0	437.0
3081.7	37.5°	2923.6	2238.3	724.1	499.1	408.0	363.6	368.5	388.6	416.0	428.9
3486.4	40°	3279.2	2482.6	756.3	493.5	399.9	350.7	351.5	366.9	391.1	410.4
3921.8	42.5°	3646.1	2768.0	816.0	472.5	392.7	339.4	337.0	347.5	363.6	377.3
4356.4	45°	3995.2	3061.5	874.8	443.5	383.8	328.2	322.5	326.5	329.8	335.4
4779.7	47.5°	4300.0	3267.9	857.9	416.9	371.7	315.3	305.6	304.0	294.3	293.5
5157.9	50°	4510.4	3313.1	761.9	390.2	354.0	300.7	285.4	275.8	258.8	250.8
5440.9	52.5°	4577.3	3134.9	622.5	363.6	324.9	281.4	259.6	244.3	223.3	216.1
5603.7	55°	4488.6	2785.7	497.5	331.4	284.6	255.6	231.4	211.2	194.3	185.4
5621.5	57.5°	4271.7	2341.5	393.5	293.5	241.9	226.6	202.4	182.2	167.7	158.8
5424.7	60°	3912.1	1859.3	311.2	248.3	206.4	195.1	170.1	157.2	144.3	133.8
4916.8	62.5°	3366.3	1327.2	244.3	196.7	172.5	159.6	145.1	135.5	120.1	105.6
4003.2	65°	2626.9	811.9	188.7	144.3	138.7	132.2	123.4	114.5	95.9	81.4
2611.6	67.5°	1656.9	384.6	134.7	108.8	109.7	106.4	102.4	95.1	81.4	68.5
1169.9	70°	729.7	186.3	88.7	83.0	81.4	81.4	84.7	82.2	69.3	57.2
406.4	72.5°	248.3	100.0	66.1	62.9	58.9	58.1	71.0	68.5	55.6	44.3
202.4	75°	129.8	66.9	48.4	45.2	35.5	42.7	56.4	53.2	39.5	29.0
133.8	77.5°	84.7	47.6	33.1	29.0	20.2	28.2	41.9	37.1	23.4	14.5
87.9	80°	53.2	31.4	19.4	13.7	9.7	15.3	22.6	16.1	8.9	3.2
51.6	82.5°	28.2	16.1	7.3	4.8	4.0	4.8	5.6	4.0	1.6	0.0
26.6	85°	11.3	5.6	2.4	1.6	0.8	0.0	1.6	0.8	0.0	0.0
4.8	87.5°	4.0	0.8	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°
1594.8
1490.0
1247.3
929.7
627.3
508.0
495.1
487.8
476.5
465.2
458.0
452.3
446.7
441.0
437.0
432.2
416.9
383.0
338.6
292.7
251.6
215.3
185.4
157.2
131.4
103.2
79.0
66.9
54.8
41.9
26.6
12.9
2.4
0.0
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0.0
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