

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: P847165

Luminaire Tested: **GLAN-SB3A-850-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847165
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-SB3A-850-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8439 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

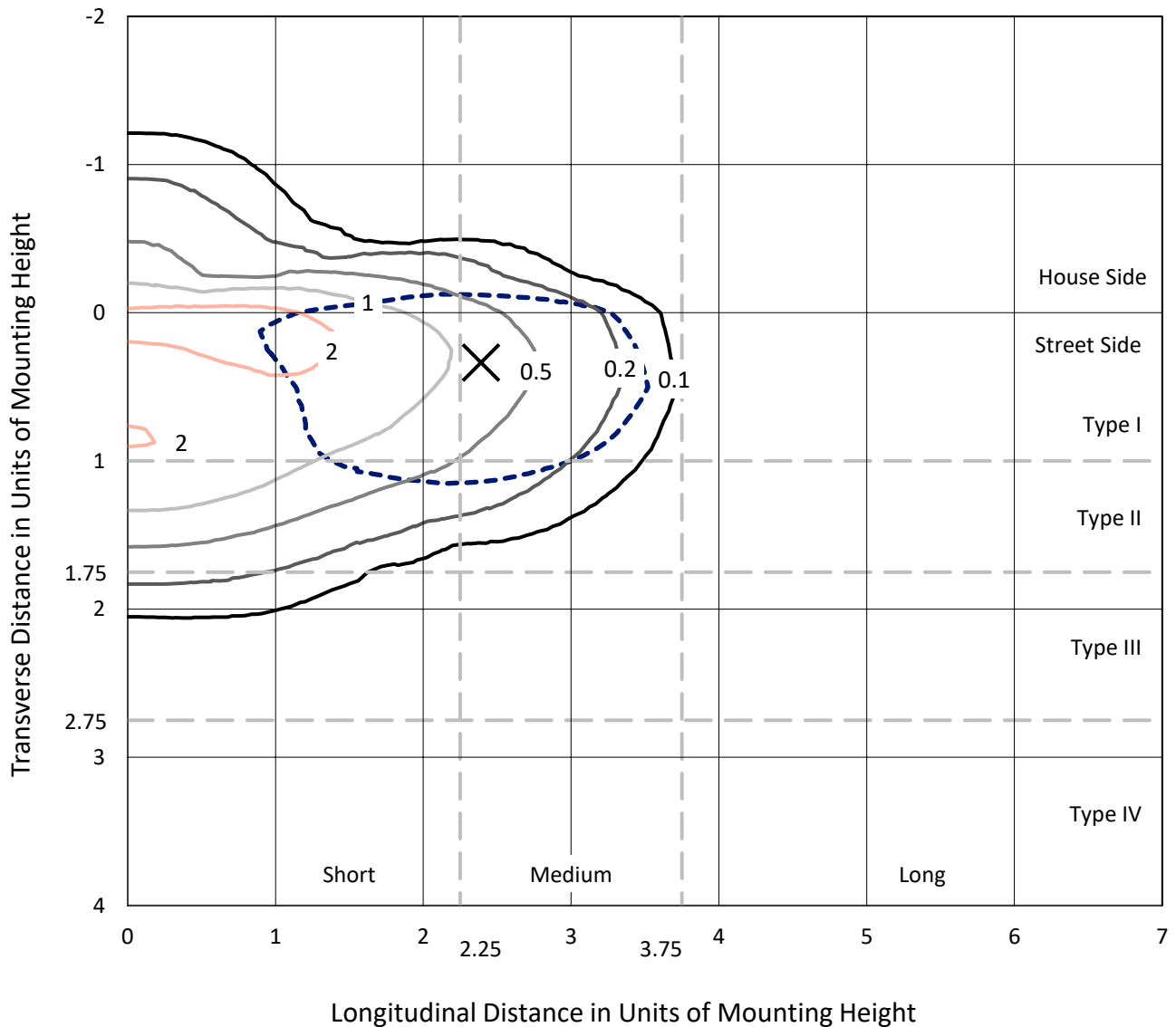
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

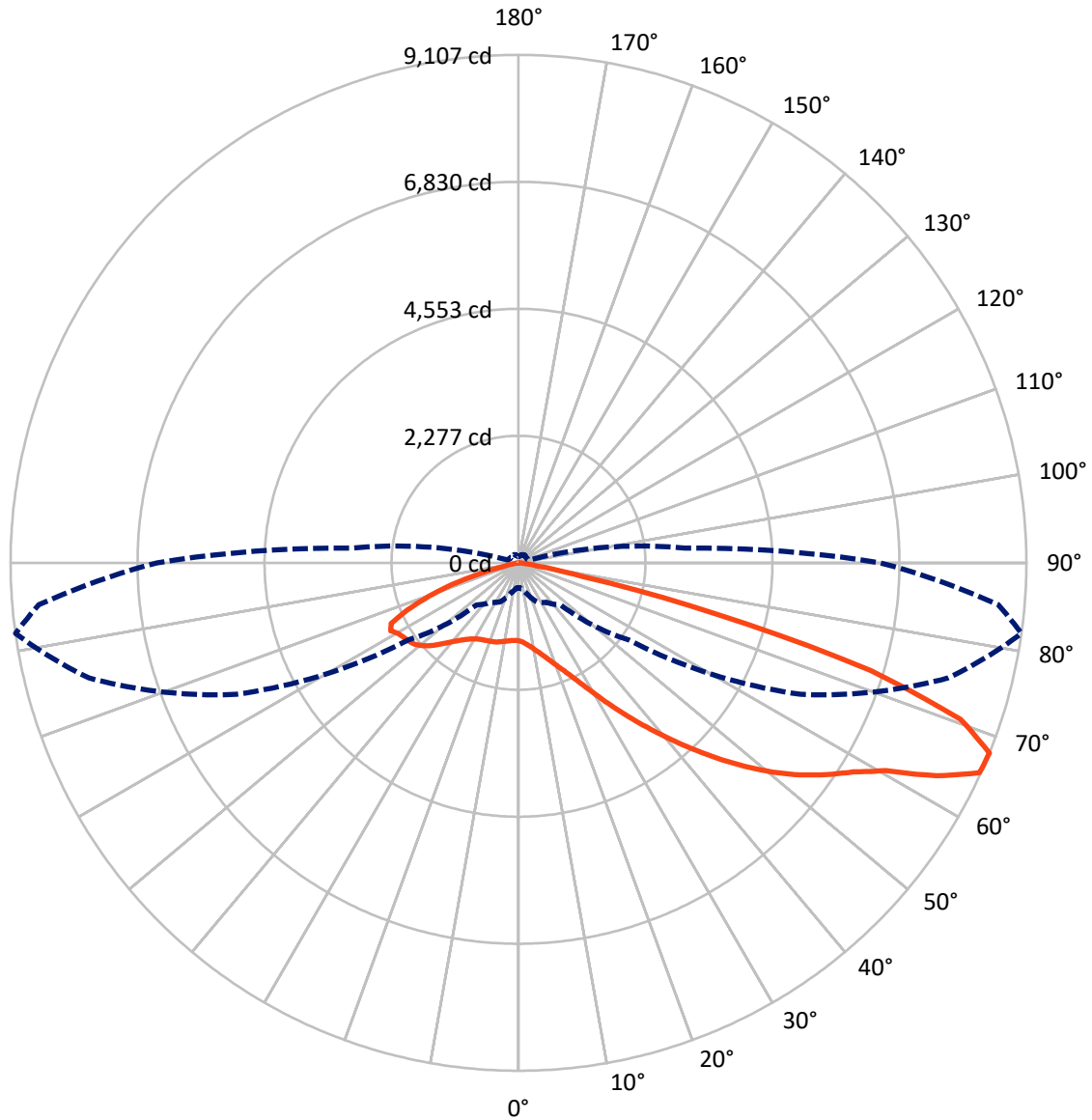
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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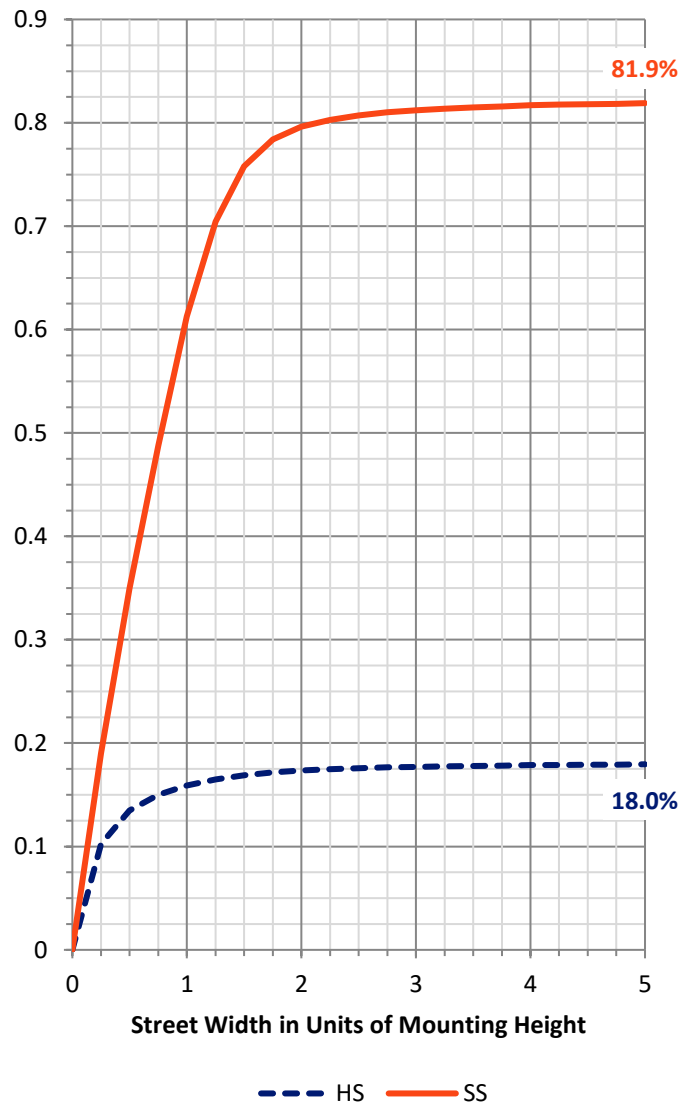
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1528.6	0.0	1528.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	6910.3	0.0	6910.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	8439.0	0.0	8439.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.6	1.5
10°-20°	323.7	3.8
20°-30°	518.4	6.1
30°-40°	916.7	10.9
40°-50°	1606.2	19.0
50°-60°	2142.2	25.4
60°-70°	1994.3	23.6
70°-80°	765.4	9.1
80°-90°	47.5	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°	8439.0	100.0
0°-180°	8439.0	100.0

Coefficient of Utilization

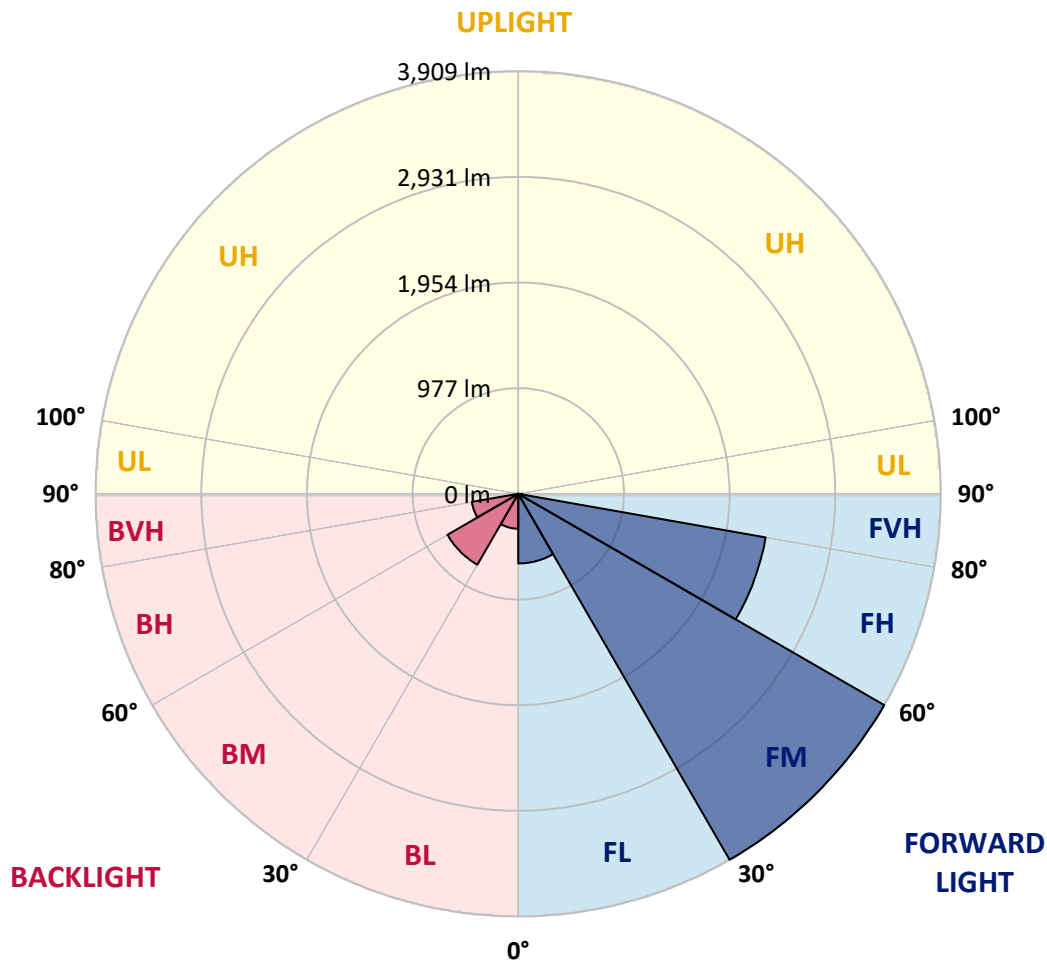


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	643.8	7.6			
FM (30°-60°)	3908.6	46.3			
FH (60°-80°)	2323.4	27.5			G2/5000
FVH (80°-90°)	34.6	0.4			G1/100
BL (0°-30°)	322.8	3.8	B1/500		
BM (30°-60°)	756.5	9.0	B1/1000		
BH (60°-80°)	436.3	5.2	B1/500		G1/500
BVH (80°-90°)	13.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1398.1	1398.1	1398.1	1398.1	1398.1	1398.1	1398.1	1398.1	1398.1	1398.1
2.5°	1477.7	1486.2	1481.3	1478.9	1474.6	1468.5	1463.7	1448.5	1432.7	1422.4
5°	1507.4	1515.9	1515.3	1517.8	1520.8	1522.6	1521.4	1504.4	1481.9	1464.3
7.5°	1481.9	1491.6	1499.5	1511.7	1532.9	1555.4	1566.4	1562.7	1539.6	1515.3
10°	1409.6	1419.9	1438.8	1467.3	1512.3	1560.9	1601.6	1620.4	1605.9	1579.1
12.5°	1277.1	1287.5	1324.5	1386.5	1461.9	1546.3	1624.1	1674.5	1678.2	1651.4
15°	1128.3	1138.6	1178.1	1255.9	1370.7	1506.2	1636.2	1731.6	1763.8	1740.7
17.5°	1035.9	1045.0	1074.8	1137.4	1257.1	1426.0	1632.0	1792.4	1865.9	1847.7
20°	1008.0	1015.9	1029.9	1073.6	1173.2	1342.8	1604.0	1849.5	1975.9	1965.5
22.5°	1037.8	1045.0	1049.3	1068.7	1131.3	1288.1	1568.8	1907.8	2103.5	2104.7
25°	1106.4	1113.7	1108.8	1121.0	1148.3	1271.1	1555.4	1976.5	2263.9	2277.2
27.5°	1219.4	1220.0	1208.5	1207.9	1212.1	1296.6	1569.4	2050.0	2466.2	2491.1
30°	1446.1	1436.9	1392.6	1344.6	1322.7	1373.1	1608.3	2136.9	2705.0	2749.3
32.5°	1795.4	1782.1	1700.6	1585.8	1470.4	1496.5	1678.2	2235.9	2965.0	3045.2
35°	2174.6	2170.9	2085.8	1915.1	1713.4	1672.1	1791.8	2365.9	3248.8	3376.4
37.5°	2527.0	2525.1	2476.5	2275.4	2029.9	1916.9	1974.0	2536.1	3552.6	3737.3
40°	2849.0	2854.4	2805.8	2626.0	2378.7	2231.1	2221.9	2746.3	3890.4	4130.4
42.5°	3127.2	3133.3	3084.1	2951.0	2723.2	2578.6	2526.3	3003.9	4220.3	4552.6
45°	3316.2	3353.9	3346.6	3240.3	3076.8	2926.7	2892.1	3327.1	4596.4	5000.4
47.5°	3369.7	3404.3	3459.0	3473.6	3373.9	3226.3	3267.6	3716.6	4976.7	5448.8
50°	3237.8	3270.0	3383.6	3534.9	3604.2	3558.6	3632.8	4134.0	5366.2	5896.0
52.5°	2977.8	3010.6	3154.0	3393.4	3675.9	3819.3	3999.1	4545.4	5743.5	6319.5
55°	2601.7	2636.3	2820.4	3091.4	3539.2	3926.8	4304.8	4956.1	6089.2	6700.5
57.5°	2090.1	2115.6	2307.0	2686.1	3195.3	3819.9	4530.2	5404.5	6414.9	7074.7
60°	1362.2	1384.7	1607.1	2029.9	2625.4	3462.6	4575.1	5904.5	6847.5	7561.4
62.5°	905.9	921.1	1052.9	1363.4	1848.9	2776.7	4312.0	6303.7	7481.8	8408.4
65°	621.6	636.8	768.6	984.9	1194.5	1836.7	3555.6	6250.9	8056.6	9081.0
67.5°	443.5	456.3	568.1	772.2	864.6	1066.9	2410.3	5575.2	7974.0	9106.5
70°	317.8	325.1	417.4	601.5	687.2	641.0	1340.3	4264.0	6981.8	8409.0
72.5°	222.4	224.8	289.8	458.1	553.5	467.8	638.0	2842.9	5280.5	6600.2
75°	150.7	153.7	195.0	336.0	444.1	357.3	337.8	1524.4	3099.9	3653.4
77.5°	92.4	93.6	125.8	229.7	332.3	272.2	217.5	645.9	1199.4	1177.5
80°	52.3	52.3	80.2	142.8	226.6	175.6	152.5	274.6	379.7	333.6
82.5°	29.2	29.8	58.3	88.7	150.1	103.9	83.8	127.0	164.0	145.2
85°	12.2	13.4	35.8	41.9	71.7	51.6	34.0	53.5	60.8	54.1
87.5°	1.2	1.8	10.9	7.9	8.5	10.3	4.9	10.3	8.5	8.5
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°
1398.1	0°	1398.1	1398.1	1398.1	1398.1	1398.1	1398.1	1398.1	1398.1	1398.1	1398.1
1418.7	2.5°	1407.2	1398.1	1375.0	1348.2	1313.0	1296.0	1272.9	1257.1	1243.7	1244.9
1454.0	5°	1434.5	1411.4	1359.8	1295.4	1215.2	1158.1	1097.3	1055.4	1021.4	1014.1
1502.6	7.5°	1472.2	1435.7	1345.2	1229.1	1093.7	991.0	899.2	840.3	798.4	785.0
1561.5	10°	1520.8	1467.9	1326.4	1145.9	950.9	820.2	721.8	675.6	647.1	637.4
1630.8	12.5°	1577.3	1505.0	1301.5	1044.4	803.8	678.1	615.5	592.4	583.3	580.2
1715.8	15°	1648.4	1551.2	1263.8	924.1	679.3	591.2	564.4	561.4	562.6	561.4
1817.9	17.5°	1732.8	1601.6	1202.4	800.2	595.4	546.8	537.1	539.5	542.6	542.0
1932.1	20°	1825.2	1651.4	1124.0	690.2	538.3	515.2	509.8	512.2	514.6	513.4
2064.0	22.5°	1930.3	1704.9	1037.2	604.5	500.0	486.1	480.0	480.6	480.6	478.2
2231.1	25°	2056.1	1763.8	946.0	543.8	470.9	459.9	452.7	450.2	446.6	439.3
2434.0	27.5°	2206.1	1826.4	858.5	501.3	447.8	437.5	429.0	422.9	413.8	401.6
2677.6	30°	2375.1	1902.4	784.4	474.5	429.6	419.2	409.5	400.4	387.0	371.8
2957.7	32.5°	2573.7	1983.8	730.3	456.9	413.2	402.2	390.7	379.7	365.2	350.0
3272.5	35°	2810.7	2082.2	698.7	444.8	400.4	385.8	373.1	360.9	350.0	336.6
3614.5	37.5°	3067.7	2186.7	689.0	438.7	391.9	369.4	354.8	346.3	345.1	337.2
3984.6	40°	3349.0	2310.7	696.3	435.0	382.8	353.6	337.8	336.0	339.0	325.1
4380.1	42.5°	3646.7	2457.7	708.4	430.8	370.0	337.8	322.6	322.6	320.2	300.8
4798.1	45°	3968.8	2627.2	720.6	420.4	354.8	322.0	310.5	306.2	295.9	277.1
5218.6	47.5°	4293.2	2799.8	729.7	401.6	336.6	308.7	298.3	288.6	273.4	256.4
5631.1	50°	4601.3	2954.7	720.0	373.7	315.9	295.9	285.0	271.6	255.2	243.6
6021.8	52.5°	4876.5	3089.0	678.7	340.9	294.1	282.5	272.8	258.8	245.5	233.3
6374.2	55°	5115.9	3197.7	605.8	309.9	274.6	271.0	261.3	243.6	225.4	215.1
6723.6	57.5°	5345.5	3280.4	514.6	284.4	257.0	258.2	243.6	227.8	210.8	199.9
7194.4	60°	5651.2	3390.9	422.3	260.7	238.2	241.8	226.0	214.5	193.2	179.2
8001.9	62.5°	6139.7	3562.9	335.4	231.5	216.3	217.5	210.8	196.9	171.3	154.9
8600.4	65°	6527.3	3499.7	264.3	199.9	191.4	193.2	193.2	178.0	150.7	131.8
8632.6	67.5°	6483.6	2996.6	210.8	168.9	167.7	168.9	173.2	160.4	133.7	118.5
7975.2	70°	5972.6	2383.6	168.9	140.4	145.8	142.8	154.9	146.4	120.3	105.1
6182.8	72.5°	4873.5	1717.0	128.8	116.0	111.8	116.7	139.7	131.8	100.3	83.2
3274.9	75°	2847.8	916.2	96.0	91.7	80.8	97.2	123.9	112.4	76.6	61.4
1003.7	77.5°	927.2	319.6	70.5	67.4	60.2	78.4	105.7	94.8	62.6	48.6
294.1	80°	248.5	96.6	48.0	44.4	38.9	58.3	83.8	75.3	45.0	31.6
126.4	82.5°	99.6	40.7	27.9	24.9	21.3	40.1	66.2	60.8	33.4	20.1
39.5	85°	32.2	13.4	10.3	7.9	9.7	24.9	39.5	41.3	23.7	10.3
6.1	87.5°	4.3	1.8	1.8	2.4	1.8	4.3	12.2	11.5	6.7	1.2
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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1398.1
1232.8
997.7
771.6
630.1
578.4
560.8
540.8
512.8
477.0
438.1
400.4
370.6
350.6
335.4
336.6
325.7
300.8
276.5
255.8
241.8
232.1
213.9
198.7
177.4
153.7
130.0
116.0
103.3
81.4
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31.0
20.1
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