

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: McGRAW-EDISON

Report Number: P939387

Luminaire Tested: **GALN-SB1D-950-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1D-950-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7086 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

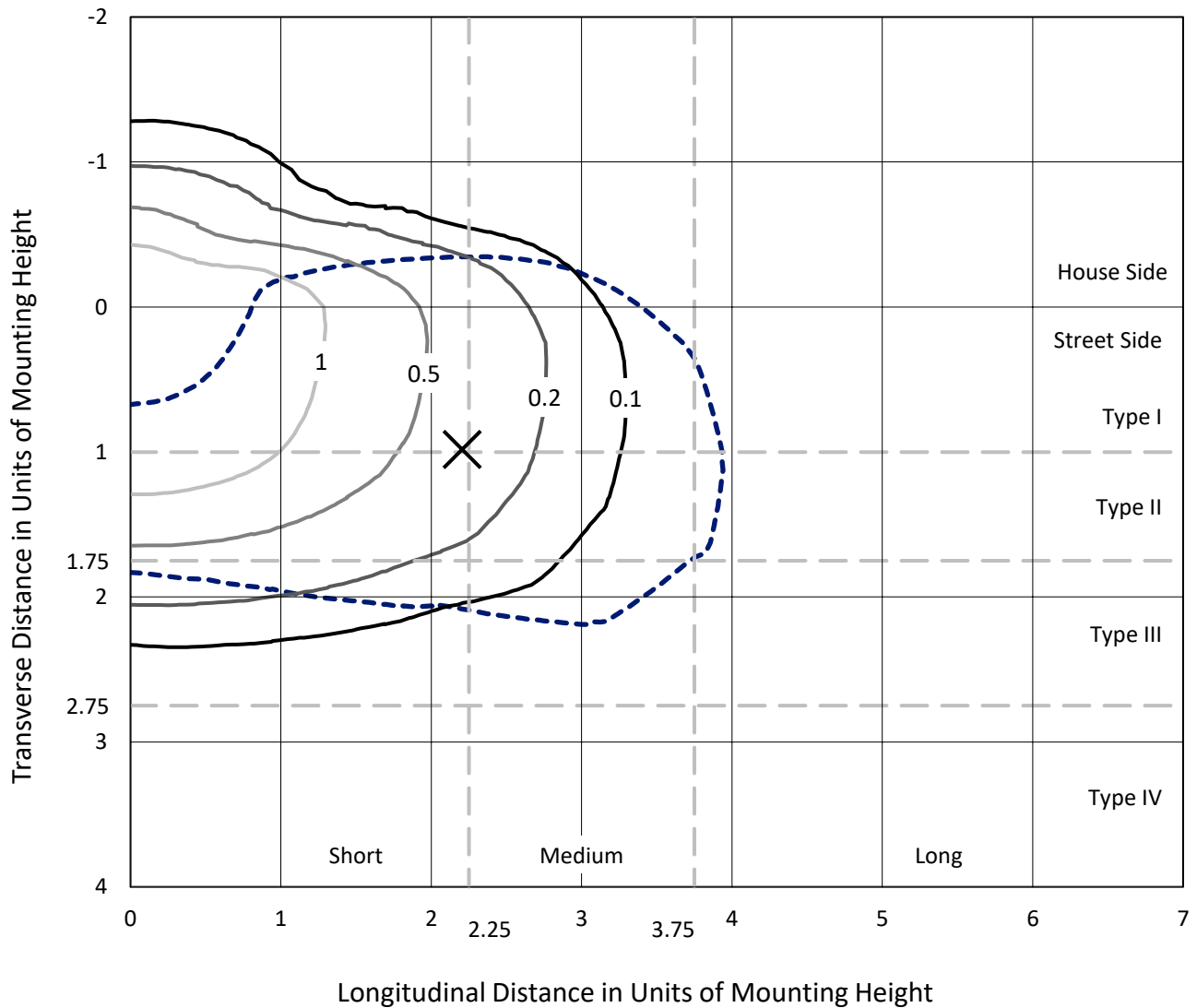
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

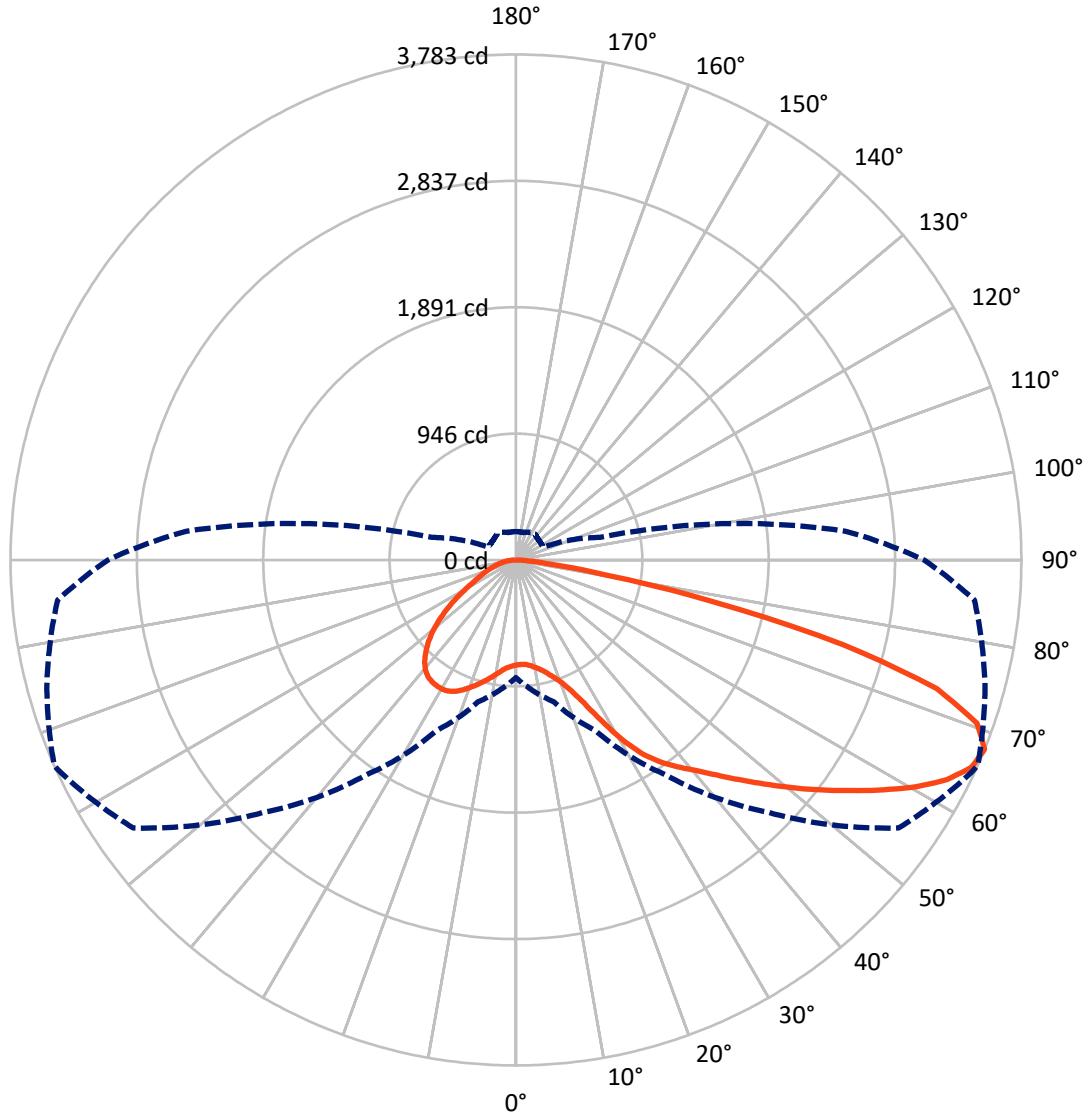
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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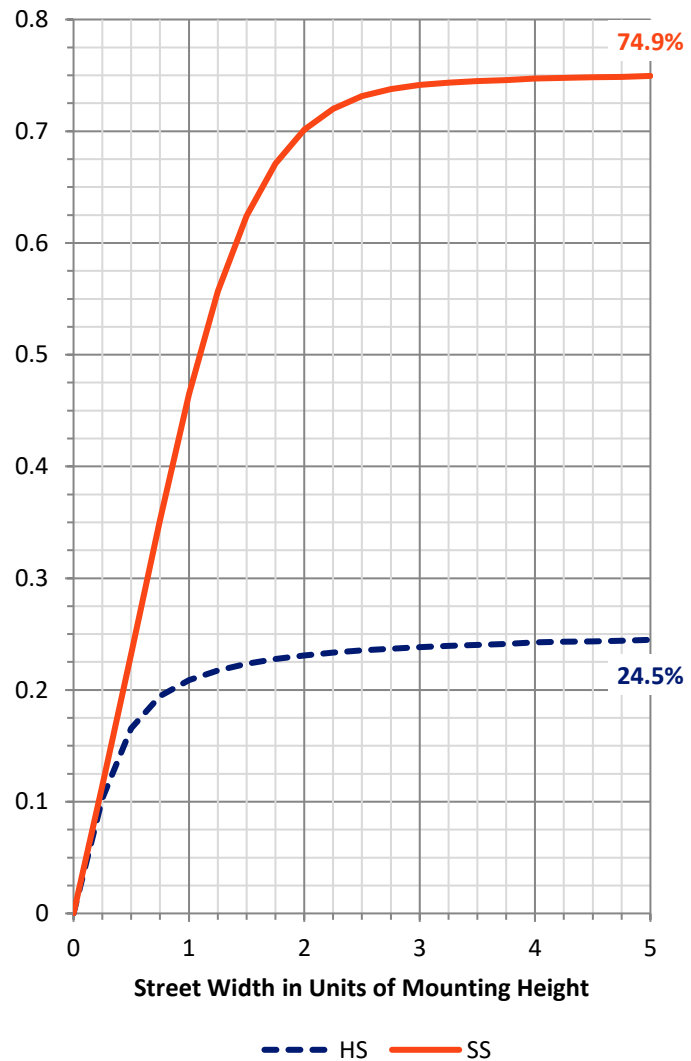
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1761.9	0.0	1761.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5324.1	0.0	5324.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	7086.0	0.0	7086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	1.1
10°-20°	257.4	3.6
20°-30°	496.2	7.0
30°-40°	870.0	12.3
40°-50°	1293.5	18.3
50°-60°	1639.6	23.1
60°-70°	1604.3	22.6
70°-80°	765.3	10.8
80°-90°	81.8	1.2
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°	7086.0	100.0
0°-180°	7086.0	100.0

Coefficient of Utilization



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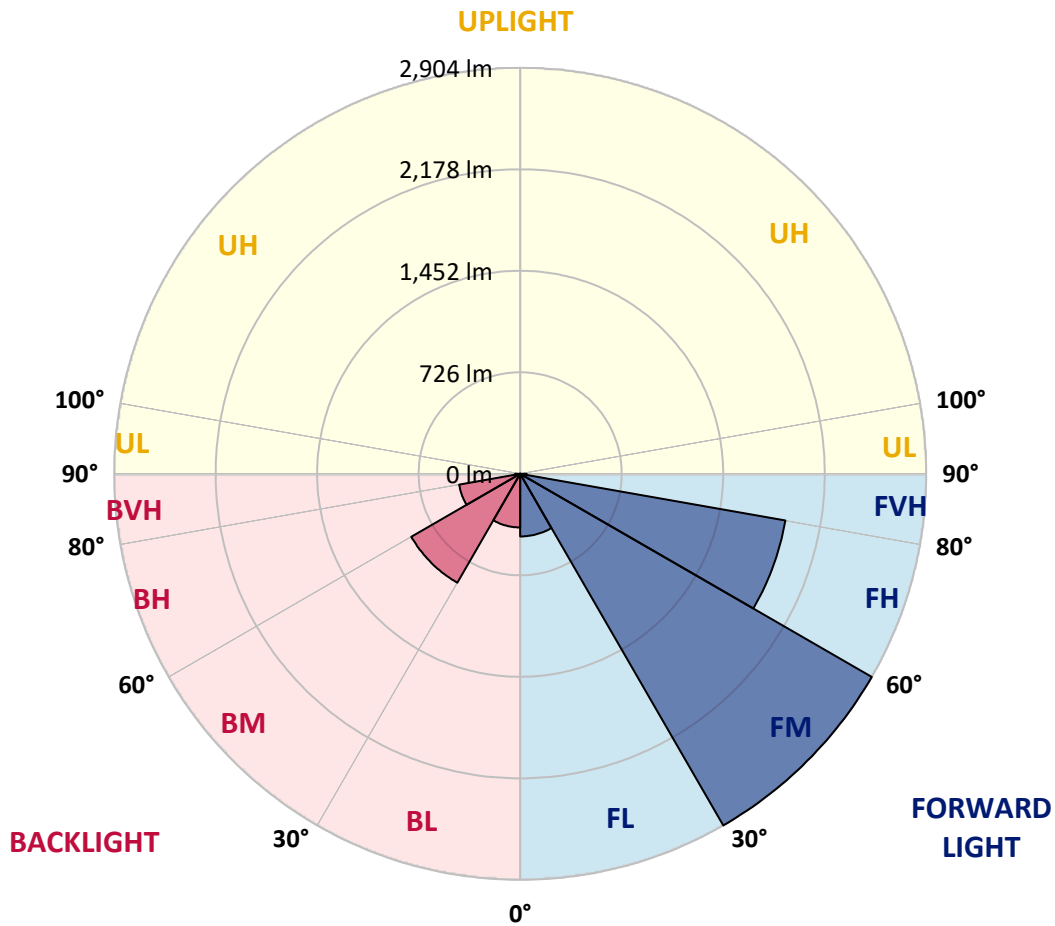
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	447.8	6.3			
FM (30°-60°)	2903.8	41.0			
FH (60°-80°)	1926.2	27.2			G2/5000
FVH (80°-90°)	46.4	0.7			G1/100
BL (0°-30°)	383.8	5.4	B1/500		
BM (30°-60°)	899.3	12.7	B1/1000		
BH (60°-80°)	443.4	6.3	B1/500		G1/500
BVH (80°-90°)	35.4	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9
2.5°	777.7	782.2	781.1	779.2	778.9	779.6	780.7	781.8	781.5	783.3
5°	775.5	780.0	779.6	779.6	781.1	784.1	785.9	787.8	785.9	788.2
7.5°	777.0	780.3	781.8	783.3	787.0	792.6	797.1	801.2	799.0	801.6
10°	796.0	798.6	800.1	800.1	802.7	809.0	813.5	820.9	819.1	823.2
12.5°	830.6	833.2	833.2	831.7	833.6	837.7	839.2	847.4	844.0	850.7
15°	873.0	878.3	874.2	871.6	872.3	876.4	876.0	882.4	879.0	884.6
17.5°	920.0	926.7	920.0	919.6	918.1	922.6	922.9	928.5	922.6	926.7
20°	975.4	984.7	979.2	981.0	977.7	979.5	981.4	989.6	980.3	983.3
22.5°	1053.6	1064.8	1058.8	1065.9	1063.7	1062.2	1061.8	1076.3	1061.8	1062.9
25°	1167.5	1180.9	1170.5	1180.2	1180.2	1185.0	1190.6	1209.2	1185.0	1178.0
27.5°	1335.8	1349.2	1328.7	1334.7	1332.8	1344.8	1338.8	1385.0	1358.9	1347.4
30°	1538.4	1562.2	1523.5	1522.0	1520.1	1539.1	1547.7	1578.2	1551.8	1540.2
32.5°	1757.3	1782.2	1736.0	1722.6	1715.6	1727.1	1720.0	1744.6	1726.4	1708.5
35°	1988.8	2013.4	1969.5	1943.4	1915.1	1890.9	1865.6	1871.9	1854.8	1827.6
37.5°	2207.8	2252.8	2206.3	2178.3	2126.2	2078.9	2008.2	1978.8	1962.8	1937.8
40°	2430.8	2456.5	2421.1	2397.3	2340.7	2266.6	2153.4	2091.2	2069.6	2045.4
42.5°	2594.9	2619.5	2600.5	2584.2	2539.8	2453.8	2307.5	2229.7	2198.4	2171.3
45°	2725.3	2743.5	2731.6	2737.5	2718.6	2635.2	2467.3	2378.3	2345.9	2312.7
47.5°	2777.8	2797.1	2816.1	2851.5	2883.9	2822.4	2638.9	2539.1	2504.9	2471.0
50°	2771.8	2791.5	2846.6	2921.8	3022.4	3001.9	2819.8	2710.4	2678.7	2640.0
52.5°	2724.1	2746.5	2817.2	2942.3	3102.4	3136.3	3004.1	2887.2	2857.4	2811.3
55°	2599.0	2612.4	2718.6	2895.8	3121.4	3230.1	3184.7	3075.6	3045.8	2981.4
57.5°	2367.1	2386.5	2541.0	2770.3	3073.7	3293.8	3343.3	3273.7	3245.0	3152.3
60°	2064.4	2095.3	2272.2	2559.6	2952.4	3293.4	3487.4	3468.4	3444.5	3320.6
62.5°	1721.9	1757.6	1927.8	2261.7	2740.1	3199.9	3577.5	3631.4	3619.2	3475.8
65°	1322.4	1347.0	1516.4	1876.4	2409.9	2999.3	3587.9	3742.8	3745.0	3593.8
67.5°	880.5	951.2	1098.3	1408.0	1967.6	2671.3	3496.3	3761.0	3782.6	3634.4
70°	429.6	522.7	666.8	915.1	1408.0	2168.3	3256.9	3611.3	3659.4	3516.0
72.5°	178.3	208.5	287.0	451.6	808.3	1463.1	2775.9	3205.5	3294.5	3115.4
75°	120.3	130.3	164.2	231.6	368.2	721.5	2001.9	2390.2	2533.5	2353.0
77.5°	92.7	99.0	119.5	162.0	218.9	272.9	1071.5	1440.4	1514.5	1402.1
80°	73.0	77.8	89.4	118.0	155.3	145.9	365.2	652.6	695.5	583.4
82.5°	63.3	65.2	64.0	80.0	103.1	85.3	119.9	240.9	265.8	192.9
85°	45.8	51.0	53.2	49.5	54.7	43.2	49.1	85.3	93.8	83.8
87.5°	18.6	27.6	33.9	32.0	20.1	12.3	15.3	24.9	28.7	31.3
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°
785.9	0°	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9	785.9
786.3	2.5°	786.7	789.3	791.1	793.4	794.9	797.1	801.6	804.2	804.5	806.4
792.3	5°	793.7	797.5	801.6	807.5	814.2	819.8	828.4	834.3	836.6	838.4
806.8	7.5°	809.0	814.2	821.7	832.1	841.8	849.2	859.6	866.7	873.8	876.4
829.9	10°	831.7	839.2	850.0	864.1	874.5	884.2	895.0	901.0	908.0	911.0
857.4	12.5°	860.0	867.8	882.0	901.7	911.4	918.1	921.8	920.3	921.8	924.4
890.5	15°	892.4	901.0	917.0	938.2	944.9	938.9	930.8	923.3	922.2	922.9
930.8	17.5°	930.8	937.1	955.7	973.6	968.7	944.2	926.3	914.4	908.4	906.6
982.1	20°	984.4	984.4	999.6	1010.8	978.4	936.7	908.8	889.4	877.1	871.9
1052.1	22.5°	1049.5	1043.6	1053.2	1045.4	976.6	915.9	877.1	843.6	825.0	817.6
1150.0	25°	1132.2	1125.1	1122.5	1074.1	963.1	882.7	819.8	779.2	762.8	758.8
1291.1	27.5°	1256.9	1239.0	1205.1	1089.7	938.6	830.6	752.8	715.2	705.9	706.3
1472.5	30°	1422.9	1387.2	1304.2	1092.3	898.4	756.9	684.3	657.5	653.0	654.9
1624.7	32.5°	1576.7	1542.8	1405.4	1080.4	836.6	684.7	622.9	605.0	598.3	600.5
1740.9	35°	1697.3	1688.0	1499.3	1063.7	760.6	616.9	567.8	552.5	539.5	536.5
1850.3	37.5°	1811.3	1807.5	1569.6	1040.2	685.4	568.9	523.5	503.4	484.4	473.9
1971.3	40°	1936.3	1932.6	1615.8	1004.1	618.8	527.2	483.6	457.2	433.7	414.7
2108.4	42.5°	2077.1	2055.1	1637.8	952.4	562.2	491.8	451.2	415.5	384.6	367.1
2263.2	45°	2230.8	2181.3	1637.4	886.5	514.5	459.4	416.6	366.0	337.3	320.9
2422.2	47.5°	2393.9	2301.9	1617.3	813.5	468.4	423.7	363.0	324.3	305.3	295.2
2594.9	50°	2562.2	2414.8	1583.0	729.7	421.1	383.1	329.5	303.1	288.5	279.2
2766.2	52.5°	2720.4	2517.1	1541.7	634.8	373.0	343.6	314.6	294.1	278.9	268.4
2932.3	55°	2867.5	2605.4	1483.3	537.6	334.0	317.2	307.5	290.4	272.9	260.6
3100.9	57.5°	2998.2	2662.7	1382.4	446.4	306.0	299.0	300.1	284.1	264.0	253.5
3267.0	60°	3106.9	2704.8	1233.1	361.9	283.3	281.1	288.5	272.2	248.7	236.8
3407.3	62.5°	3172.0	2704.0	1049.9	296.4	264.0	264.7	273.3	257.3	233.4	222.3
3480.7	65°	3166.4	2637.8	848.9	253.5	245.3	246.1	257.3	240.9	220.8	214.1
3443.8	67.5°	3054.4	2476.2	651.2	225.6	224.9	228.2	241.3	229.7	213.0	212.2
3224.1	70°	2750.9	2140.7	469.1	203.3	203.6	208.5	225.6	222.6	208.9	210.4
2710.7	72.5°	2205.9	1632.2	315.0	179.8	180.2	188.0	210.7	217.1	204.8	224.5
1923.3	75°	1469.1	1017.9	202.5	154.9	155.3	165.3	197.7	206.3	193.6	223.8
1000.7	77.5°	705.9	457.6	146.7	130.3	130.3	139.6	170.9	184.7	164.9	173.9
321.7	80°	243.9	172.0	115.4	105.0	102.8	109.1	144.1	160.1	142.2	131.1
105.0	82.5°	96.1	89.4	92.7	81.5	74.1	78.2	112.1	132.2	104.6	94.6
59.2	85°	55.1	58.1	65.5	54.0	42.8	48.0	82.3	94.9	78.9	69.6
19.4	87.5°	14.9	20.5	30.2	27.9	19.4	20.5	39.1	52.5	45.4	35.0
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°
785.9
806.0
838.1
876.8
912.5
925.2
925.5
909.2
870.8
816.5
759.5
707.4
661.2
603.5
538.7
474.3
416.6
368.2
320.2
293.0
275.9
264.0
255.8
246.8
231.6
218.9
213.7
213.3
210.0
227.5
225.6
159.3
122.9
94.2
71.1
36.1
0.0

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