

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: P948311

Luminaire Tested: **GALN-SB3B-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-927-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10422 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

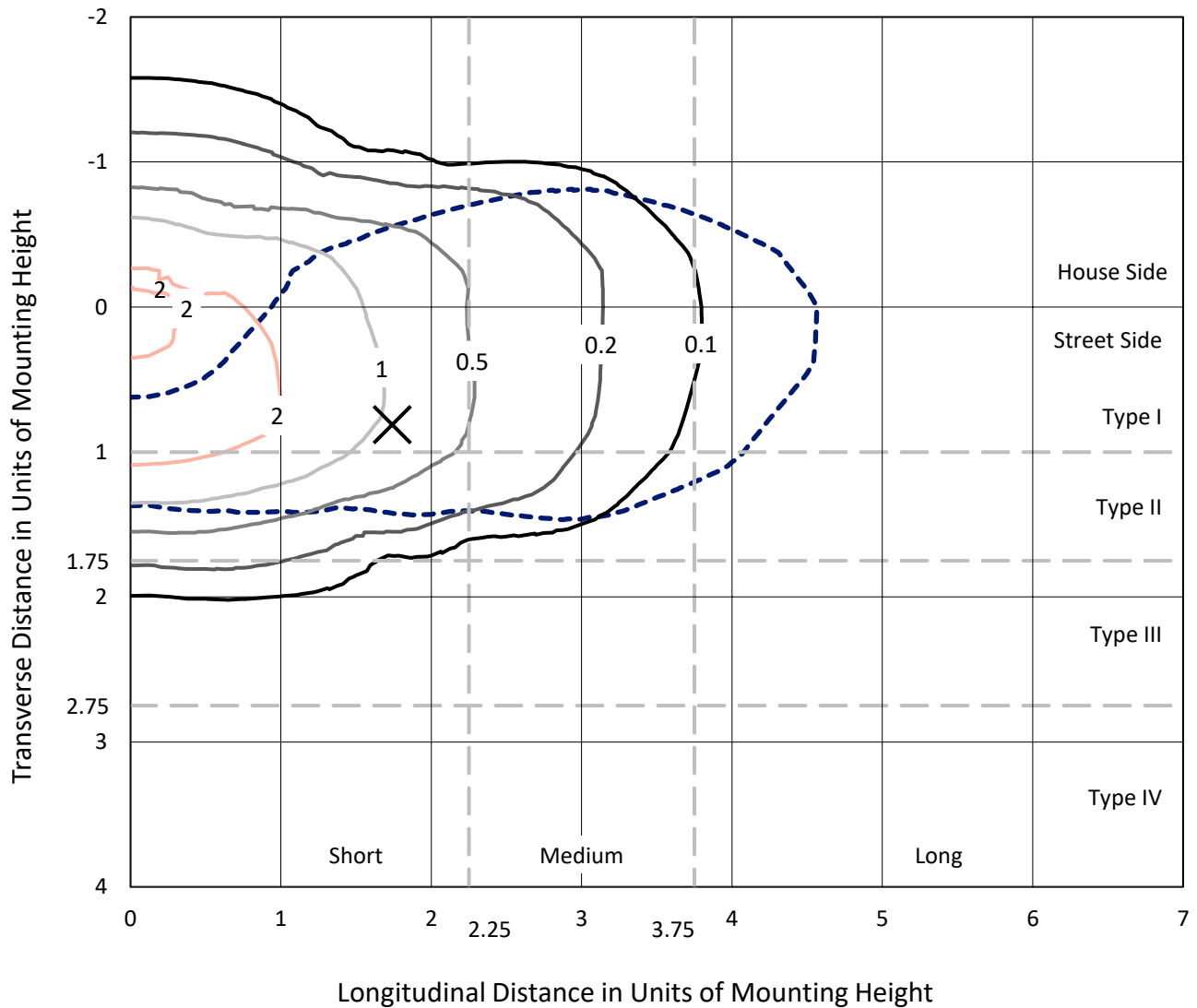
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

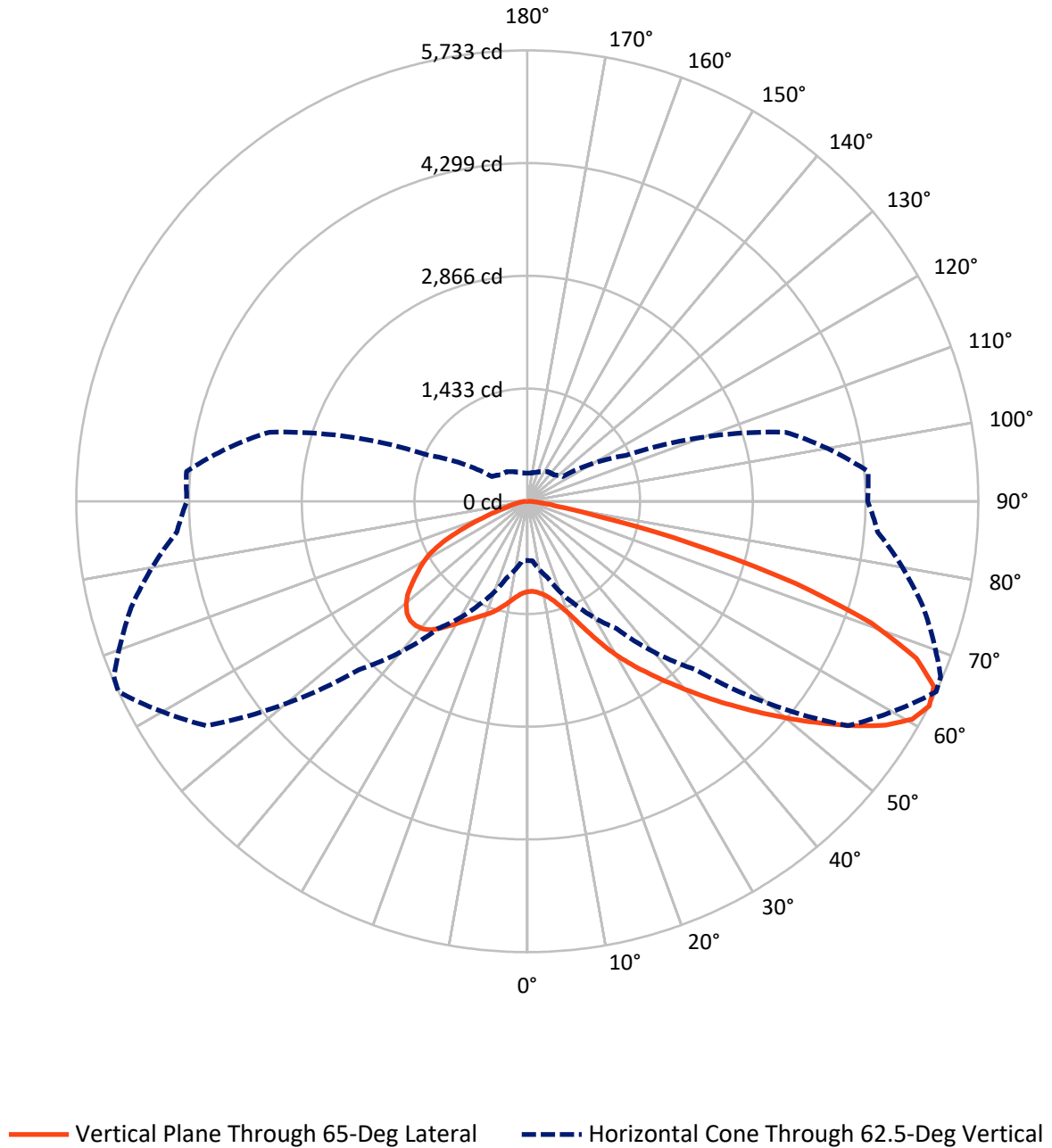
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3288.7	0.0	3288.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	7133.3	0.0	7133.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	10422.0	0.0	10422.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	1.1
10°-20°	388.3	3.7
20°-30°	787.3	7.6
30°-40°	1362.4	13.1
40°-50°	2061.7	19.8
50°-60°	2417.2	23.2
60°-70°	2026.5	19.4
70°-80°	1118.8	10.7
80°-90°	145.3	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°	10422.0	100.0
0°-180°	10422.0	100.0



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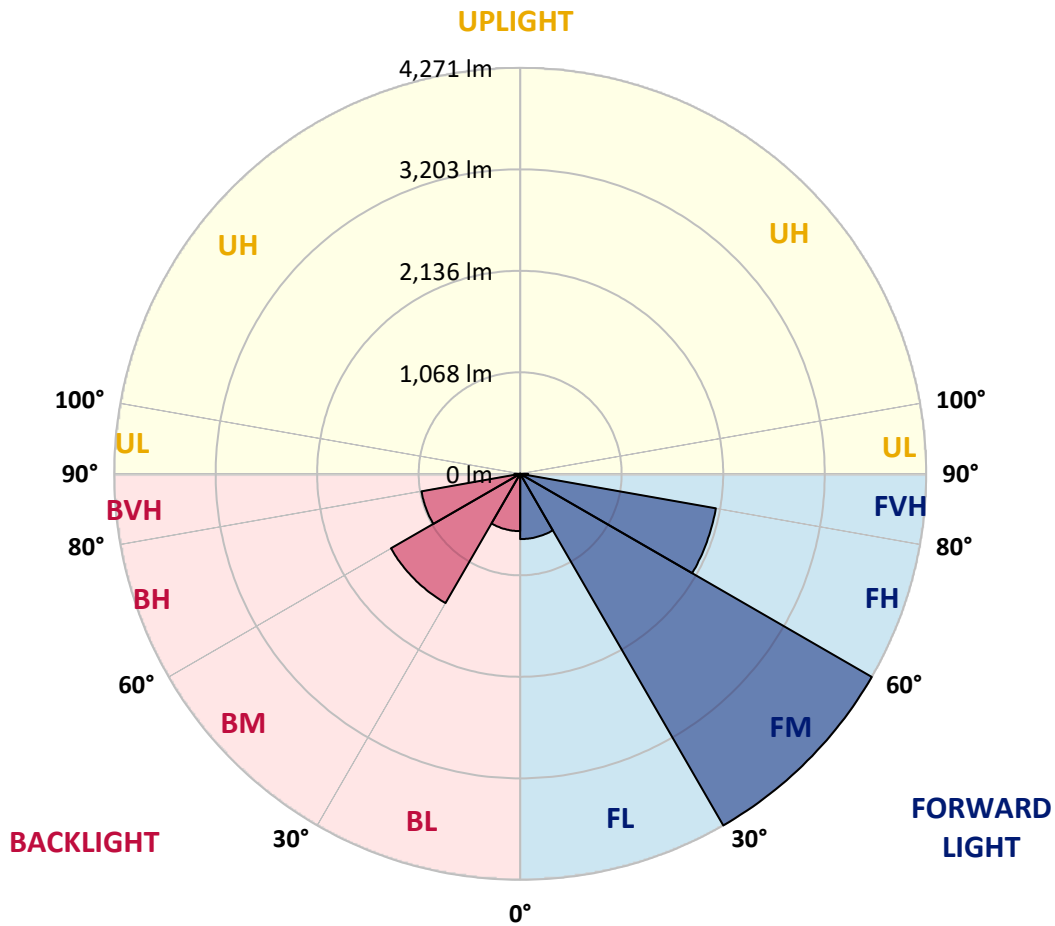
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	686.9	6.6			
FM (30°-60°)	4271.3	41.0			
FH (60°-80°)	2090.3	20.1			G2/5000
FVH (80°-90°)	84.7	0.8			G1/100
BL (0°-30°)	603.1	5.8	B2/1000		
BM (30°-60°)	1570.0	15.1	B2/2500		
BH (60°-80°)	1055.0	10.1	B3/2500		G3/2500
BVH (80°-90°)	60.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	1148.5	1148.5	1148.5	1148.5	1148.5	1148.5	1148.5	1148.5	1148.5	1148.5
2.5°	1140.9	1137.6	1140.3	1140.3	1141.4	1140.9	1144.7	1145.8	1147.4	1150.6
5°	1129.5	1129.0	1133.9	1138.2	1142.5	1146.3	1151.2	1158.2	1159.3	1163.1
7.5°	1125.7	1122.5	1130.1	1135.5	1145.8	1154.9	1167.9	1179.8	1184.7	1186.3
10°	1154.9	1149.5	1156.6	1159.8	1168.5	1177.7	1192.8	1211.7	1217.1	1223.6
12.5°	1204.7	1198.7	1209.0	1213.9	1222.0	1230.1	1240.4	1258.8	1261.5	1273.4
15°	1272.8	1265.8	1272.3	1278.2	1291.7	1299.3	1309.6	1327.4	1327.4	1336.6
17.5°	1365.3	1356.1	1361.0	1363.1	1371.8	1383.1	1400.4	1416.1	1424.2	1421.0
20°	1503.2	1491.8	1491.8	1481.0	1477.7	1486.9	1509.7	1531.3	1539.9	1523.2
22.5°	1710.3	1694.0	1684.8	1648.1	1633.5	1634.6	1657.3	1683.8	1690.8	1661.0
25°	1973.6	1948.2	1935.7	1881.7	1848.7	1820.0	1837.9	1871.9	1881.7	1844.9
27.5°	2236.9	2238.5	2226.6	2161.7	2107.1	2054.7	2045.5	2081.2	2091.5	2049.8
30°	2606.2	2567.8	2545.1	2467.2	2389.4	2315.8	2278.0	2292.6	2295.3	2245.6
32.5°	2924.7	2914.9	2866.3	2798.2	2698.1	2583.0	2519.7	2496.4	2492.1	2421.3
35°	3287.5	3282.1	3230.7	3149.6	3041.5	2881.4	2767.3	2700.8	2695.4	2595.9
37.5°	3656.3	3656.3	3606.0	3517.3	3405.4	3205.3	3031.7	2926.3	2909.0	2779.2
40°	3950.4	3932.6	3941.7	3904.4	3776.3	3563.8	3325.3	3172.3	3149.1	2993.3
42.5°	4117.5	4111.5	4166.7	4208.3	4155.9	3986.1	3648.7	3438.9	3406.4	3229.1
45°	4154.8	4148.3	4246.7	4399.2	4472.7	4403.0	4000.1	3719.5	3680.0	3475.7
47.5°	4068.8	4055.8	4200.2	4440.8	4676.6	4799.3	4380.8	4023.9	3966.6	3715.7
50°	3810.4	3797.9	4016.4	4335.9	4745.2	5068.6	4793.9	4346.7	4259.1	3973.1
52.5°	3248.6	3254.5	3596.8	4035.8	4654.9	5236.2	5149.7	4686.8	4581.4	4236.4
55°	2530.5	2543.5	2964.1	3447.5	4293.7	5210.8	5392.5	5037.2	4932.3	4484.1
57.5°	1811.9	1869.2	2263.4	2741.9	3600.0	4808.0	5445.4	5370.3	5268.6	4754.4
60°	1174.4	1184.7	1590.2	2072.5	2741.4	4092.1	5337.8	5622.8	5543.3	5030.2
62.5°	752.7	759.7	1006.8	1449.6	1973.0	3027.4	4975.6	5732.6	5708.2	5212.4
65°	553.1	547.7	676.4	958.1	1329.1	1867.1	4272.1	5679.6	5727.7	5326.5
67.5°	461.8	454.2	517.5	663.4	979.2	1060.3	3161.0	5335.1	5511.4	5313.5
70°	420.7	414.2	452.6	492.6	764.0	709.9	1593.5	4638.2	4909.6	5165.9
72.5°	356.3	345.0	397.4	437.4	594.2	544.5	658.6	3562.7	3893.6	4692.8
75°	276.3	268.7	313.6	385.0	446.6	425.0	416.3	2163.4	2524.6	3629.2
77.5°	219.0	208.7	249.8	300.1	401.7	320.6	303.3	931.6	1289.6	2316.9
80°	164.9	155.7	189.8	237.4	308.7	241.7	196.3	380.1	486.1	1173.9
82.5°	117.3	109.2	132.5	174.1	207.6	216.8	120.6	213.0	239.5	452.6
85°	75.2	70.3	88.7	109.2	131.9	139.5	73.5	111.4	122.2	186.5
87.5°	41.1	33.5	47.6	50.8	61.1	55.7	35.1	40.6	43.8	67.6
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°
1148.5	0°	1148.5	1148.5	1148.5	1148.5	1148.5	1148.5	1148.5	1148.5	1148.5	1148.5
1150.6	2.5°	1152.8	1154.4	1159.8	1161.4	1165.2	1170.1	1173.3	1176.6	1176.6	1179.8
1167.9	5°	1168.5	1172.3	1183.6	1189.6	1199.3	1209.0	1215.0	1222.0	1226.3	1228.5
1195.5	7.5°	1198.7	1204.7	1220.9	1231.2	1247.9	1261.5	1270.7	1280.4	1282.6	1288.5
1233.9	10°	1239.8	1246.9	1265.3	1284.7	1304.7	1321.5	1330.1	1337.2	1339.9	1341.0
1283.1	12.5°	1286.9	1297.2	1320.9	1344.7	1365.8	1380.4	1382.6	1381.0	1373.4	1366.9
1343.7	15°	1344.7	1353.9	1380.4	1406.4	1426.9	1429.6	1416.1	1407.5	1398.3	1396.6
1411.2	17.5°	1413.9	1418.8	1443.1	1468.6	1470.2	1461.0	1441.0	1432.9	1424.2	1418.3
1499.4	20°	1494.5	1492.9	1510.2	1521.0	1509.7	1481.5	1451.3	1437.7	1429.1	1422.1
1607.5	22.5°	1590.8	1578.3	1576.2	1573.5	1543.2	1484.2	1443.1	1425.8	1412.3	1402.6
1758.4	25°	1730.8	1683.2	1650.2	1631.9	1563.7	1469.6	1417.2	1378.8	1353.4	1336.6
1942.8	27.5°	1906.0	1826.0	1742.7	1697.8	1563.7	1439.9	1354.5	1292.3	1250.7	1233.4
2121.2	30°	2073.1	1989.3	1866.5	1777.3	1559.9	1391.2	1253.4	1166.8	1118.2	1100.9
2273.7	32.5°	2215.8	2124.4	1997.9	1864.4	1550.7	1312.3	1127.9	1032.2	985.2	964.6
2424.5	35°	2348.3	2251.0	2129.8	1960.1	1526.4	1196.6	990.0	917.0	864.6	831.6
2578.1	37.5°	2484.0	2368.3	2254.7	2046.6	1482.6	1061.4	884.1	821.9	760.2	715.9
2741.4	40°	2631.6	2493.2	2388.3	2097.9	1410.7	932.7	801.9	745.1	679.7	632.6
2929.5	42.5°	2804.1	2643.0	2537.0	2124.4	1312.3	841.3	748.3	692.6	631.0	592.6
3131.2	45°	2984.2	2807.9	2672.7	2123.9	1202.5	798.6	731.0	675.9	607.8	567.7
3338.3	47.5°	3172.9	2980.4	2790.0	2089.3	1107.4	804.6	721.3	639.7	564.5	525.6
3547.6	50°	3362.1	3169.1	2903.6	2024.4	1066.8	791.6	685.1	588.8	500.2	465.0
3743.8	52.5°	3549.7	3369.7	3001.5	1931.9	1025.7	743.5	638.6	522.9	473.7	449.3
3946.6	55°	3738.4	3568.1	3108.0	1797.3	923.0	687.2	560.7	498.0	452.6	430.4
4145.1	57.5°	3927.7	3797.4	3209.1	1662.7	793.8	618.0	518.0	467.7	431.5	412.6
4311.0	60°	4124.5	4059.6	3313.4	1538.8	666.1	529.4	486.6	443.4	406.6	385.5
4470.6	62.5°	4327.3	4348.4	3395.1	1379.3	548.8	475.3	458.5	414.2	378.5	358.5
4602.5	65°	4531.7	4626.8	3448.6	1158.2	445.0	423.9	428.2	382.3	346.1	328.7
4699.3	67.5°	4685.8	4827.4	3433.5	876.5	365.0	375.2	390.4	348.8	314.7	301.2
4683.6	70°	4703.1	4803.6	3284.2	600.2	305.5	327.7	348.2	315.8	280.6	270.9
4463.0	72.5°	4472.7	4479.2	2868.4	392.0	258.5	287.7	303.9	282.2	248.2	238.5
3904.4	75°	3868.8	3704.4	2106.0	258.5	216.3	247.1	262.2	247.1	214.1	216.3
2921.4	77.5°	2931.2	2623.5	1278.8	183.8	180.6	207.6	228.2	217.4	189.2	212.5
1469.1	80°	1510.2	1419.4	570.4	137.3	142.7	166.0	187.6	173.6	149.8	142.7
328.2	82.5°	346.1	402.3	224.9	98.4	103.3	119.5	143.3	130.3	107.6	90.8
136.8	85°	121.1	132.5	99.5	61.6	60.6	74.6	97.3	87.1	73.0	58.4
57.9	87.5°	38.4	50.3	37.3	24.9	26.0	33.5	44.9	41.1	34.1	22.2
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

<u>180°</u>
1148.5
1179.8
1229.6
1286.3
1338.2
1366.9
1396.6
1418.8
1422.6
1405.8
1343.1
1242.0
1111.2
974.9
842.4
727.8
641.8
600.2
574.2
531.0
467.2
449.3
428.2
409.3
383.9
357.9
328.2
301.7
271.4
237.9
208.7
187.1
130.3
89.8
61.6
23.3
0.0

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