

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: P947979

Luminaire Tested: **GALN-SB3A-930-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947979  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB3A-930-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

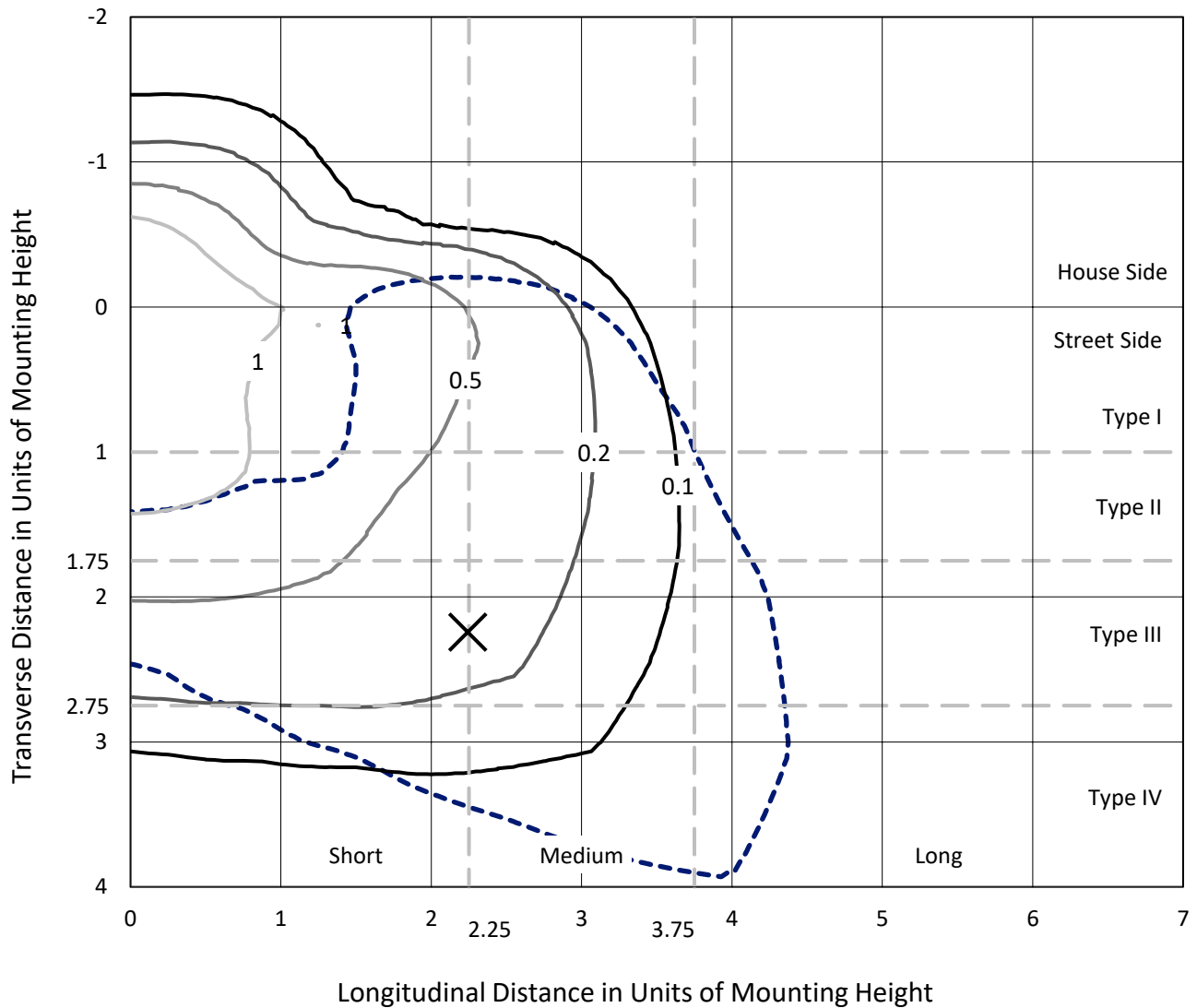
Lumens per Lamp: N/A  
Luminaire Lumens: 9344 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

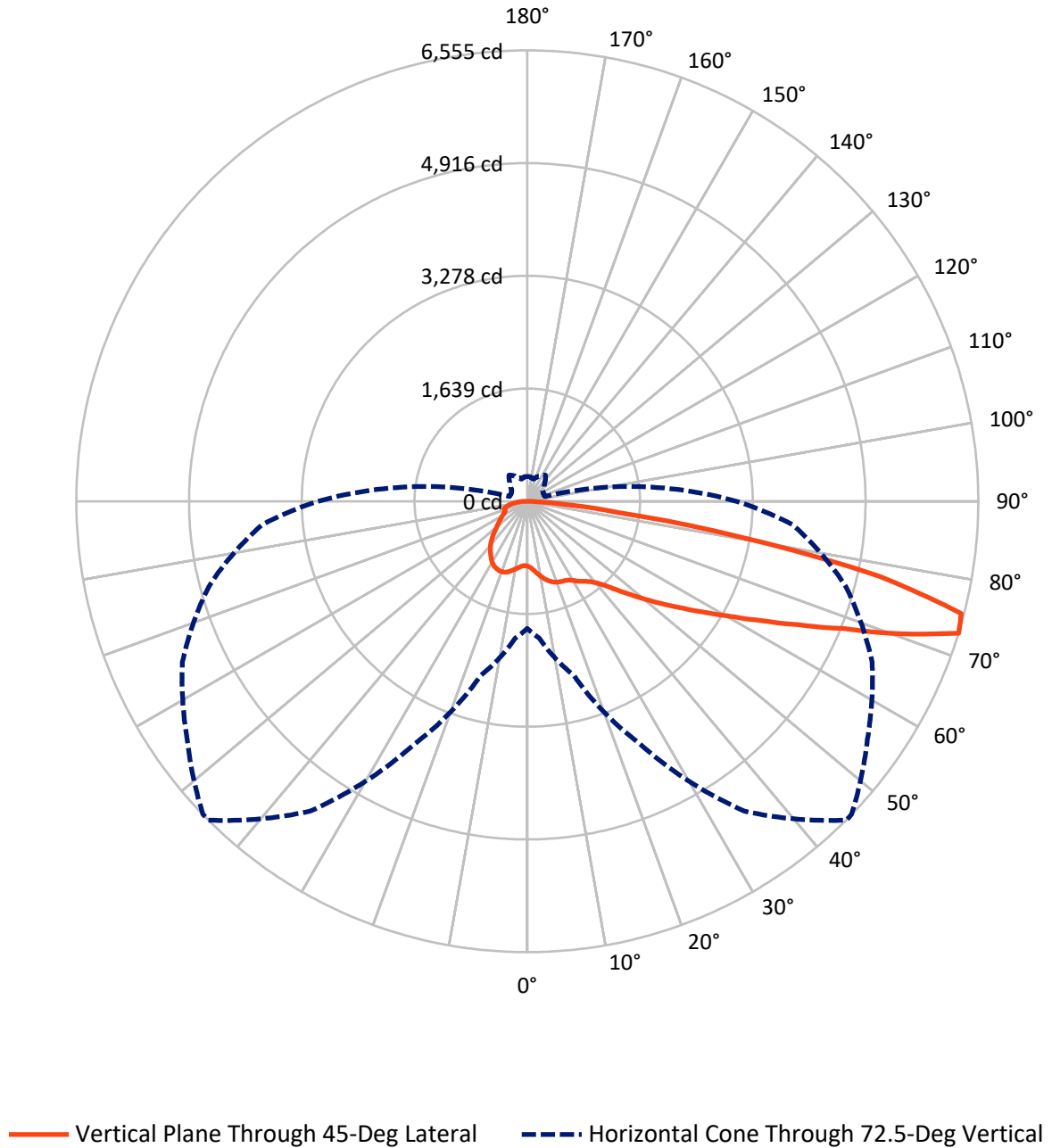
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2112.4	0.0	2112.4
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	7231.6	0.0	7231.6
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	9344.0	0.0	9344.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.9	1.0
10°-20°	319.9	3.4
20°-30°	556.4	6.0
30°-40°	797.7	8.5
40°-50°	1123.2	12.0
50°-60°	1720.4	18.4
60°-70°	2492.3	26.7
70°-80°	1990.2	21.3
80°-90°	247.9	2.7
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°	9344.0	100.0
0°-180°	9344.0	100.0

**Coefficient of Utilization**



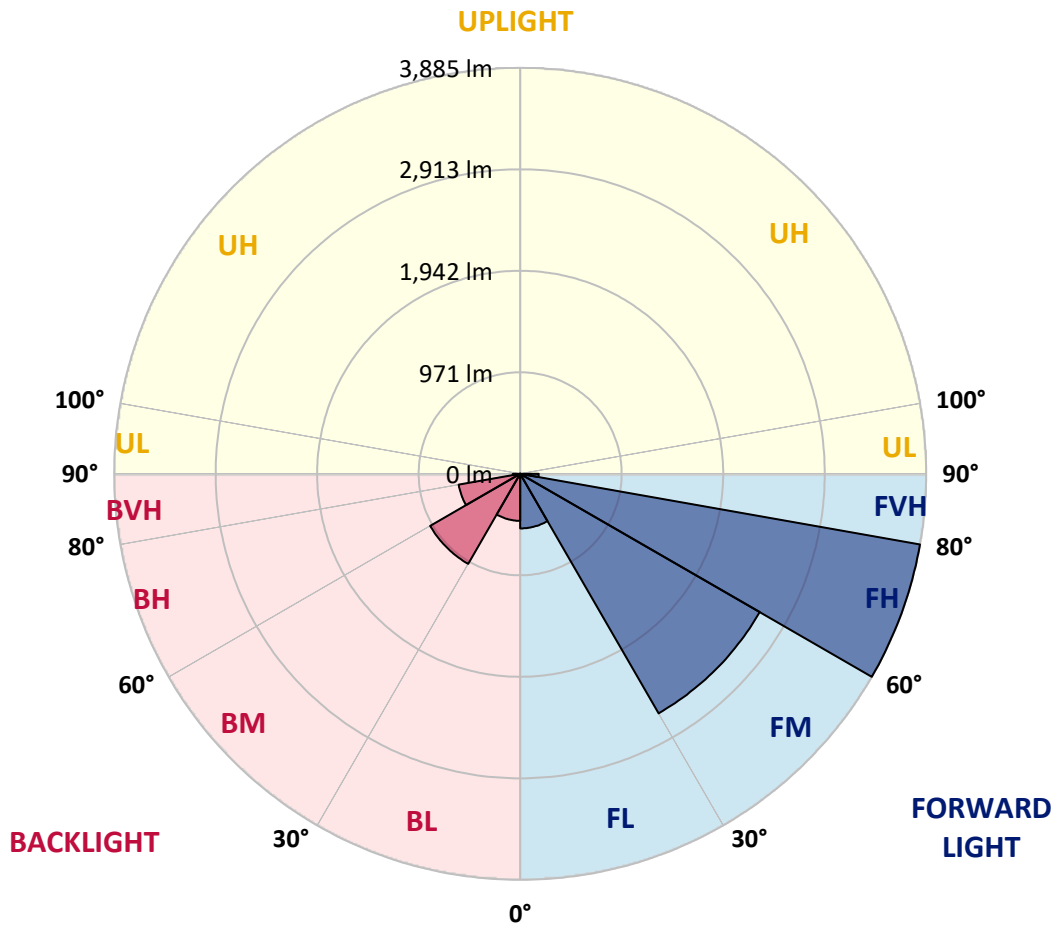
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.5	5.6			
FM (30°-60°)	2646.7	28.3			
FH (60°-80°)	3884.6	41.6			G2/5000
FVH (80°-90°)	177.8	1.9			G2/225
BL (0°-30°)	449.7	4.8	B1/500		
BM (30°-60°)	994.6	10.6	B1/1000		
BH (60°-80°)	598.0	6.4	B2/1000		G2/1000
BVH (80°-90°)	70.0	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	942.6	942.6	942.6	942.6	942.6	942.6	942.6	942.6	942.6	942.6
2.5°	979.5	985.9	980.0	974.6	972.2	965.8	965.3	961.3	958.9	952.0
5°	1048.0	1056.3	1046.5	1035.7	1025.8	1010.1	1008.1	996.8	984.0	969.2
7.5°	1125.2	1132.6	1121.3	1105.1	1087.8	1061.7	1061.3	1040.6	1020.4	995.3
10°	1192.7	1202.5	1187.3	1165.1	1143.5	1113.9	1110.5	1086.9	1061.3	1028.8
12.5°	1252.2	1259.1	1244.4	1217.3	1192.2	1162.7	1158.2	1132.1	1103.6	1066.7
15°	1299.5	1308.4	1288.7	1259.6	1233.0	1204.0	1200.1	1176.4	1147.9	1109.0
17.5°	1330.5	1337.9	1317.7	1285.2	1259.6	1235.5	1232.6	1212.9	1187.8	1148.4
20°	1342.3	1350.2	1329.0	1296.1	1272.4	1253.7	1252.2	1238.0	1220.7	1184.8
22.5°	1354.1	1361.5	1334.0	1299.5	1278.8	1267.0	1266.5	1257.2	1250.3	1220.7
25°	1401.9	1403.9	1366.9	1317.2	1287.7	1277.3	1276.9	1276.4	1279.3	1256.2
27.5°	1443.2	1442.7	1411.2	1364.5	1318.7	1297.0	1296.5	1301.5	1310.8	1291.6
30°	1503.8	1498.4	1460.9	1412.2	1370.4	1336.9	1334.0	1329.5	1336.9	1321.6
32.5°	1632.2	1615.0	1554.5	1467.8	1413.2	1387.6	1383.7	1356.1	1359.1	1349.7
35°	1816.3	1793.7	1713.0	1573.2	1466.4	1429.9	1428.0	1393.0	1387.1	1378.7
37.5°	2035.4	2007.3	1913.3	1725.8	1557.9	1479.2	1476.2	1444.7	1420.6	1411.7
40°	2255.4	2220.0	2142.2	1911.8	1692.8	1561.4	1552.0	1504.3	1476.7	1461.9
42.5°	2469.0	2439.5	2373.1	2120.5	1859.2	1681.5	1660.8	1579.1	1558.4	1544.6
45°	2658.1	2631.5	2582.8	2343.5	2054.1	1844.9	1824.7	1691.3	1684.9	1684.9
47.5°	2811.6	2805.7	2754.0	2570.9	2284.0	2031.0	1996.0	1847.4	1864.6	1891.2
50°	2982.0	2965.7	2910.6	2794.9	2554.2	2244.1	2215.5	2038.8	2103.3	2176.2
52.5°	3138.5	3147.3	3085.8	3028.2	2859.4	2481.8	2431.6	2264.8	2404.1	2524.7
55°	3299.4	3299.9	3282.7	3274.8	3179.3	2744.7	2689.6	2536.5	2758.0	2907.6
57.5°	3450.6	3451.5	3477.1	3546.5	3550.5	3047.9	2985.4	2870.2	3151.3	3303.9
60°	3585.4	3592.3	3662.2	3824.7	3876.8	3395.4	3336.4	3264.5	3557.9	3711.4
62.5°	3630.7	3655.8	3811.4	4042.2	4199.2	3821.7	3763.6	3720.8	3985.1	4127.9
65°	3553.9	3611.5	3912.3	4221.9	4531.0	4328.2	4270.6	4223.9	4429.1	4563.5
67.5°	3365.4	3439.7	3906.4	4410.4	4933.7	4937.6	4883.9	4774.2	4905.1	4956.8
70°	2868.7	2980.0	3562.3	4480.8	5395.9	5770.9	5719.3	5436.7	5380.1	5130.1
72.5°	1848.3	1998.0	2623.1	3901.4	5498.7	6555.1	6552.1	6034.8	5530.2	4793.4
75°	674.4	765.9	1218.8	2448.9	4615.7	6515.2	6534.4	5932.4	5048.3	3702.6
77.5°	245.6	268.8	397.7	941.2	2838.7	5227.5	5267.4	4742.7	3593.3	1858.2
80°	129.0	141.8	203.8	365.2	1216.3	3104.5	3167.0	2818.5	1688.9	559.7
82.5°	71.4	77.3	114.2	198.4	547.9	1327.6	1365.0	1113.4	594.1	237.3
85°	38.4	40.9	53.7	108.3	267.8	460.2	470.6	332.8	236.8	139.3
87.5°	11.3	13.8	17.7	34.5	104.8	103.4	105.8	66.0	93.5	70.4
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°
942.6	0°	942.6	942.6	942.6	942.6	942.6	942.6	942.6	942.6	942.6	942.6
950.0	2.5°	947.1	945.6	940.2	937.7	934.8	934.3	936.7	937.2	937.7	938.2
960.8	5°	955.9	951.0	946.1	943.1	944.1	944.6	949.5	953.0	955.4	957.4
981.0	7.5°	973.1	969.2	960.8	960.3	961.8	966.3	972.7	980.5	985.0	988.4
1007.1	10°	998.7	991.4	981.5	983.0	985.9	992.3	1005.6	1012.0	1019.4	1025.8
1039.1	12.5°	1024.8	1018.4	1007.1	1008.1	1013.0	1024.3	1037.1	1045.0	1049.9	1054.9
1073.6	15°	1058.8	1047.5	1035.2	1035.2	1044.0	1056.3	1062.2	1068.6	1071.6	1077.0
1110.5	17.5°	1093.7	1079.0	1062.7	1061.7	1072.6	1078.5	1081.9	1082.9	1083.9	1089.8
1146.4	20°	1128.7	1112.4	1089.3	1087.3	1089.8	1088.8	1088.3	1087.3	1088.8	1096.2
1183.3	22.5°	1163.1	1144.4	1112.4	1103.6	1096.7	1087.3	1086.9	1086.4	1087.3	1094.7
1223.2	25°	1203.5	1180.9	1138.0	1111.5	1088.3	1075.5	1077.0	1077.5	1078.5	1084.4
1264.5	27.5°	1247.3	1222.2	1161.7	1109.0	1067.2	1058.3	1055.8	1057.3	1060.8	1070.1
1305.9	30°	1291.1	1261.6	1183.3	1099.2	1040.6	1028.3	1020.4	1023.8	1034.7	1044.0
1341.8	32.5°	1331.0	1301.5	1200.6	1077.5	1006.6	987.4	977.1	981.5	992.3	995.8
1381.7	35°	1377.8	1344.3	1207.9	1043.0	969.7	940.2	926.4	920.0	925.4	922.0
1428.5	37.5°	1429.9	1395.0	1207.0	997.8	926.4	892.4	873.2	849.1	837.8	826.0
1497.4	40°	1507.2	1457.0	1195.1	943.1	872.7	841.7	807.3	766.4	740.8	717.7
1608.6	42.5°	1612.6	1543.2	1173.5	883.1	812.2	783.1	736.4	688.6	648.3	609.9
1777.5	45°	1769.6	1655.9	1146.4	819.1	746.7	718.2	667.5	613.8	568.0	518.8
2017.2	47.5°	1996.0	1807.5	1120.8	746.2	677.8	651.7	605.9	556.2	502.1	454.3
2363.7	50°	2307.1	2025.0	1097.2	675.3	609.9	590.2	553.8	503.1	448.4	410.0
2769.8	52.5°	2702.9	2320.9	1087.3	606.9	546.4	539.0	510.0	462.7	411.0	378.5
3243.3	55°	3157.2	2674.8	1087.3	541.5	490.8	493.2	473.0	429.2	384.4	355.4
3731.6	57.5°	3620.9	3033.1	1067.7	480.9	443.5	453.8	441.0	402.6	362.3	332.3
4245.0	60°	4048.1	3333.4	987.9	425.8	401.7	417.9	409.5	376.6	327.3	302.2
4674.3	62.5°	4376.5	3502.7	834.3	382.0	367.2	385.9	381.5	342.1	320.9	310.6
5026.7	65°	4540.9	3475.2	637.9	343.1	338.2	367.2	357.9	356.4	339.6	327.8
5141.4	67.5°	4439.9	3237.9	462.7	314.5	321.4	350.0	385.9	391.8	360.8	337.7
4818.5	70°	3997.4	2808.7	344.6	287.5	300.3	350.5	440.1	410.0	353.9	326.8
3864.5	72.5°	3041.0	2094.5	267.3	258.9	272.7	352.9	464.2	401.7	334.2	361.3
2407.5	75°	1739.1	1149.9	214.6	224.0	238.2	329.8	451.9	380.0	319.0	331.8
953.9	77.5°	663.0	442.0	177.2	189.5	191.5	288.0	432.2	378.5	303.7	296.3
286.0	80°	229.9	172.8	146.7	150.6	148.2	256.0	414.5	329.3	248.6	222.5
118.1	82.5°	94.0	86.1	116.2	111.2	105.3	198.9	334.7	269.3	203.3	179.7
57.1	85°	40.9	54.6	76.8	67.4	61.0	137.8	268.3	227.9	171.8	148.2
18.7	87.5°	8.4	20.7	32.5	30.5	31.5	92.0	190.5	161.9	121.6	91.1
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°  
942.6  
940.2  
958.4  
989.4  
1024.3  
1056.8  
1079.0  
1091.8  
1099.2  
1099.7  
1092.3  
1079.5  
1054.4  
1008.1  
932.8  
833.4  
719.2  
606.4  
512.9  
448.9  
407.6  
376.1  
352.4  
327.3  
298.3  
307.2  
323.9  
333.7  
322.4  
358.3  
331.8  
270.2  
215.1  
177.7  
147.7  
71.4  
0.0

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