

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: P947954

Luminaire Tested: **GALN-SB3A-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947954
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-SB3A-927-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8302 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

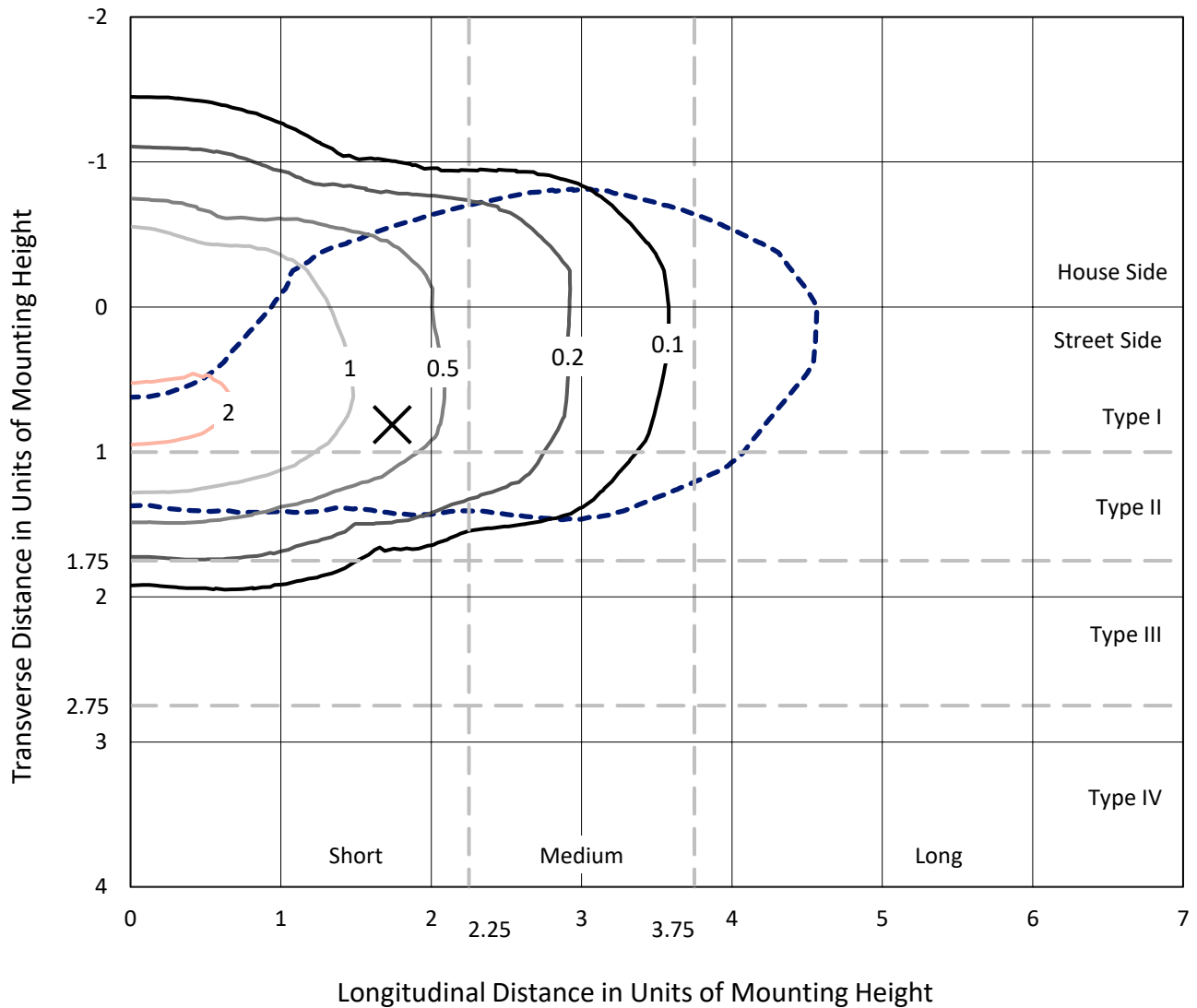
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947954
 CATALOG NUMBER: GALN-SB3A-927-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

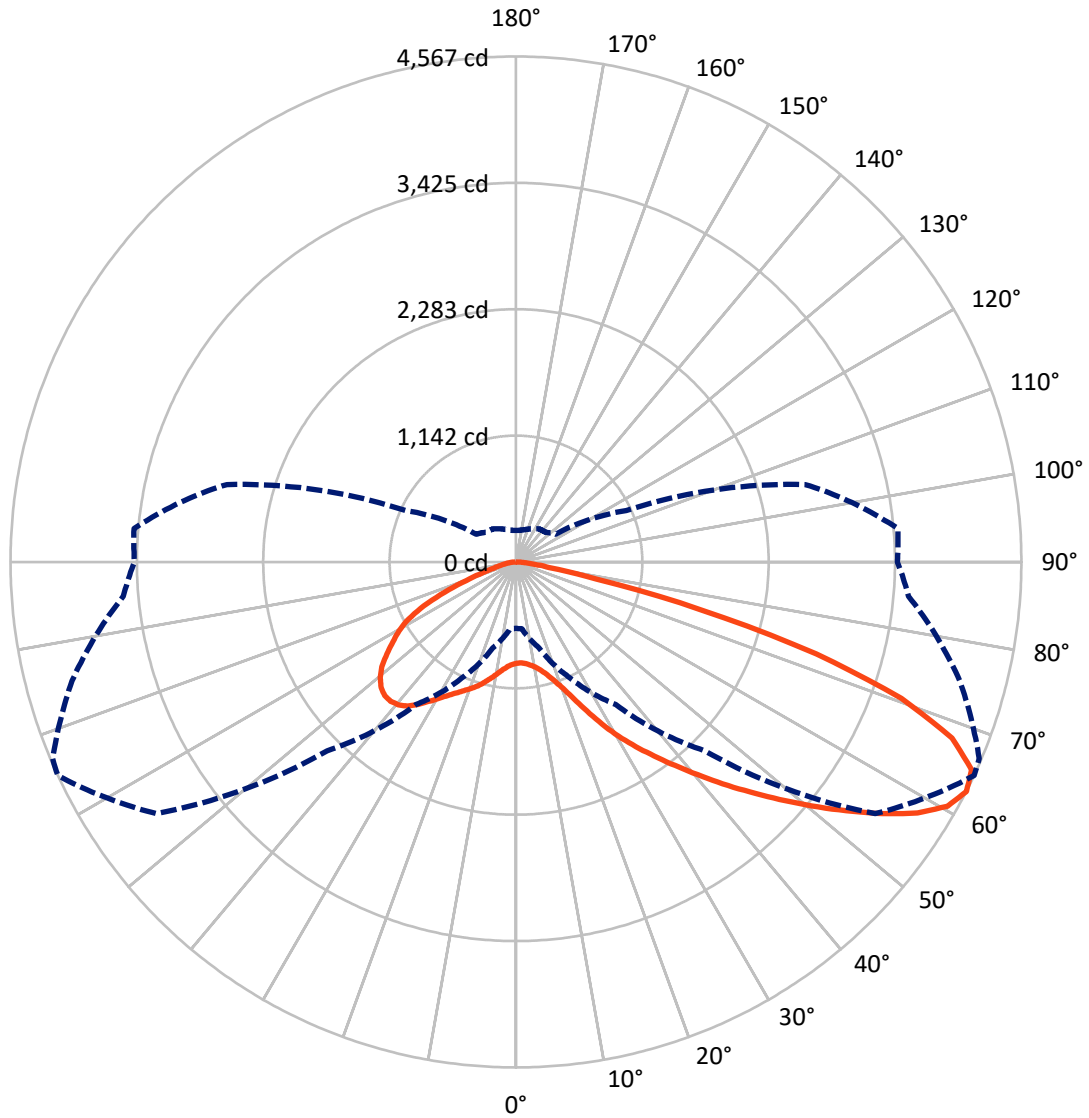
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

REPORT NUMBER: P947954
CATALOG NUMBER: GALN-SB3A-927-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P947954

CATALOG NUMBER: GALN-SB3A-927-U-T2U

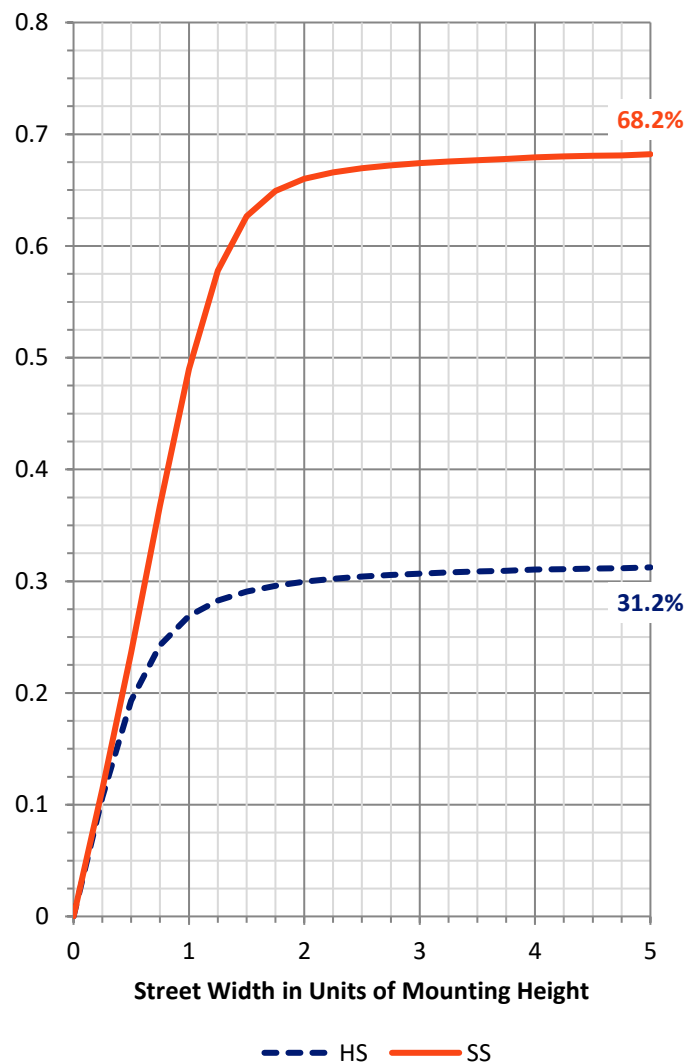
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2619.7	0.0	2619.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	5682.3	0.0	5682.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	8302.0	0.0	8302.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.2	1.1
10°-20°	309.3	3.7
20°-30°	627.1	7.6
30°-40°	1085.2	13.1
40°-50°	1642.3	19.8
50°-60°	1925.5	23.2
60°-70°	1614.3	19.4
70°-80°	891.2	10.7
80°-90°	115.8	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°	8302.0	100.0
0°-180°	8302.0	100.0

Coefficient of Utilization



REPORT NUMBER: P947954

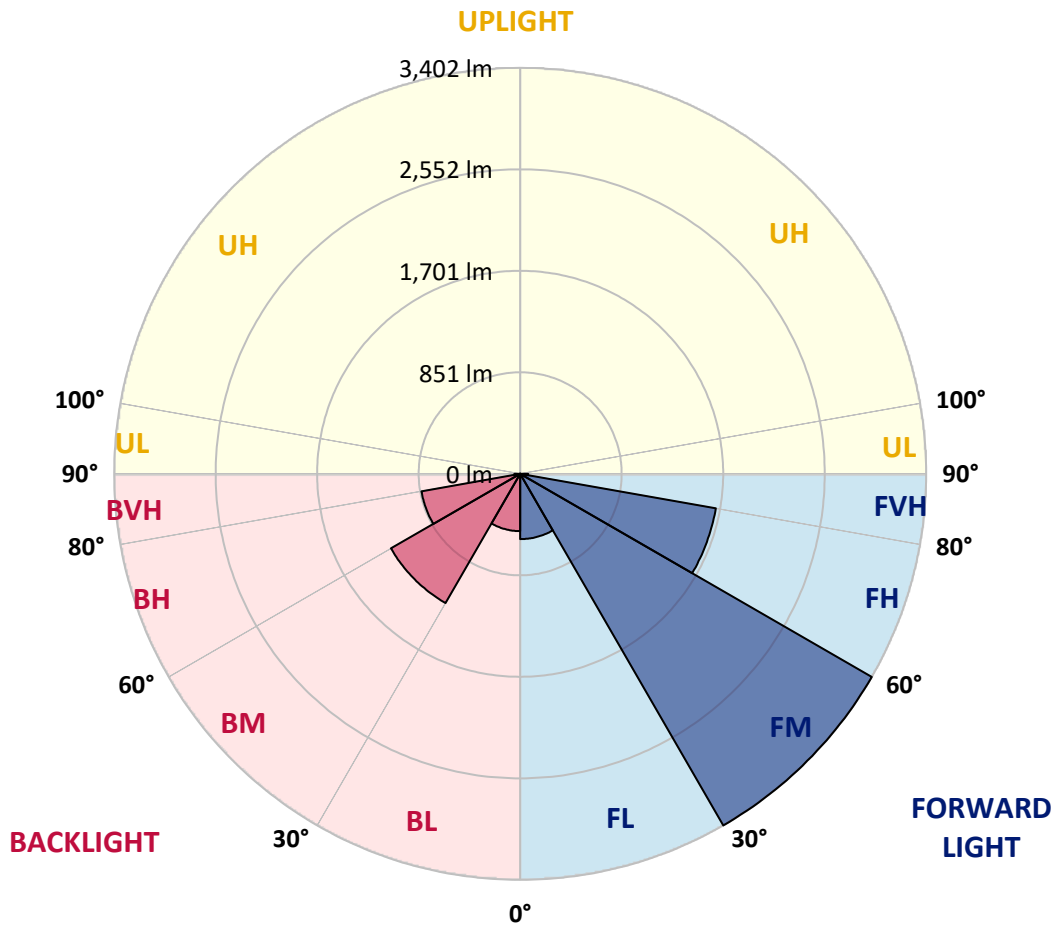
CATALOG NUMBER: GALN-SB3A-927-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.2	6.6			
FM (30°-60°)	3402.4	41.0			
FH (60°-80°)	1665.1	20.1			G1/1800
FVH (80°-90°)	67.5	0.8			G1/100
BL (0°-30°)	480.4	5.8	B1/500		
BM (30°-60°)	1250.6	15.1	B2/2500		
BH (60°-80°)	840.4	10.1	B2/1000		G2/1000
BVH (80°-90°)	48.3	0.6			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 II Short



REPORT NUMBER: P947954

CATALOG NUMBER: GALN-SB3A-927-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8
2.5°	908.8	906.2	908.4	908.4	909.2	908.8	911.8	912.7	914.0	916.6
5°	899.8	899.3	903.2	906.7	910.1	913.1	917.0	922.6	923.5	926.5
7.5°	896.8	894.2	900.2	904.5	912.7	920.0	930.4	939.8	943.7	945.0
10°	920.0	915.7	921.3	923.9	930.8	938.1	950.2	965.2	969.5	974.7
12.5°	959.6	954.9	963.1	967.0	973.4	979.9	988.1	1002.7	1004.9	1014.3
15°	1013.9	1008.3	1013.5	1018.2	1029.0	1035.0	1043.2	1057.4	1057.4	1064.7
17.5°	1087.6	1080.2	1084.1	1085.8	1092.7	1101.8	1115.6	1128.0	1134.5	1131.9
20°	1197.4	1188.4	1188.4	1179.7	1177.2	1184.5	1202.6	1219.8	1226.7	1213.3
22.5°	1362.4	1349.4	1342.1	1312.8	1301.2	1302.1	1320.1	1341.3	1346.9	1323.2
25°	1572.1	1551.9	1542.0	1498.9	1472.6	1449.8	1464.0	1491.1	1498.9	1469.6
27.5°	1781.9	1783.2	1773.7	1722.0	1678.5	1636.7	1629.4	1657.8	1666.0	1632.9
30°	2076.1	2045.5	2027.4	1965.4	1903.3	1844.8	1814.6	1826.2	1828.4	1788.8
32.5°	2329.8	2322.0	2283.2	2229.0	2149.3	2057.5	2007.1	1988.6	1985.2	1928.8
35°	2618.8	2614.5	2573.5	2508.9	2422.8	2295.3	2204.4	2151.4	2147.1	2067.9
37.5°	2912.5	2912.5	2872.5	2801.8	2712.7	2553.3	2415.0	2331.0	2317.3	2213.9
40°	3146.8	3132.6	3139.9	3110.2	3008.1	2838.9	2648.9	2527.0	2508.5	2384.5
42.5°	3279.9	3275.2	3319.1	3352.3	3310.5	3175.3	2906.5	2739.4	2713.5	2572.2
45°	3309.6	3304.5	3382.9	3504.3	3562.9	3507.3	3186.4	2962.9	2931.5	2768.7
47.5°	3241.2	3230.8	3345.8	3537.5	3725.3	3823.1	3489.7	3205.4	3159.7	2959.9
50°	3035.3	3025.4	3199.4	3453.9	3780.0	4037.5	3818.7	3462.5	3392.8	3164.9
52.5°	2587.8	2592.5	2865.1	3214.9	3708.0	4171.1	4102.2	3733.5	3649.5	3374.7
55°	2015.8	2026.1	2361.2	2746.3	3420.3	4150.8	4295.5	4012.6	3929.0	3571.9
57.5°	1443.3	1489.0	1803.0	2184.2	2867.7	3829.9	4337.8	4277.9	4196.9	3787.3
60°	935.5	943.7	1266.7	1650.9	2183.7	3259.7	4252.0	4479.0	4415.7	4007.0
62.5°	599.6	605.2	802.0	1154.8	1571.7	2411.6	3963.5	4566.5	4547.1	4152.1
65°	440.6	436.3	538.8	763.2	1058.7	1487.3	3403.1	4524.3	4562.6	4243.0
67.5°	367.8	361.8	412.2	528.5	780.0	844.6	2518.0	4249.9	4390.3	4232.7
70°	335.1	329.9	360.5	392.4	608.6	565.5	1269.3	3694.7	3910.9	4115.1
72.5°	283.8	274.8	316.6	348.5	473.4	433.7	524.6	2838.0	3101.6	3738.2
75°	220.1	214.1	249.8	306.7	355.8	338.5	331.7	1723.3	2011.0	2891.0
77.5°	174.4	166.3	199.0	239.0	320.0	255.4	241.6	742.1	1027.3	1845.6
80°	131.4	124.0	151.2	189.1	245.9	192.5	156.4	302.8	387.2	935.1
82.5°	93.5	87.0	105.5	138.7	165.4	172.7	96.1	169.7	190.8	360.5
85°	59.9	56.0	70.6	87.0	105.1	111.1	58.6	88.7	97.3	148.6
87.5°	32.7	26.7	37.9	40.5	48.7	44.4	28.0	32.3	34.9	53.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947954
 CATALOG NUMBER: GALN-SB3A-927-U-T2U

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
914.8	0°	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8	914.8
916.6	2.5°	918.3	919.6	923.9	925.2	928.2	932.1	934.7	937.2	937.2	939.8
930.4	5°	930.8	933.8	942.8	947.6	955.3	963.1	967.8	973.4	976.9	978.6
952.3	7.5°	954.9	959.6	972.6	980.7	994.1	1004.9	1012.2	1019.9	1021.7	1026.4
982.9	10°	987.6	993.2	1007.9	1023.4	1039.3	1052.7	1059.6	1065.2	1067.3	1068.2
1022.1	12.5°	1025.1	1033.3	1052.2	1071.2	1088.0	1099.6	1101.3	1100.1	1094.0	1088.9
1070.3	15°	1071.2	1078.5	1099.6	1120.3	1136.7	1138.8	1128.0	1121.2	1113.8	1112.5
1124.2	17.5°	1126.3	1130.2	1149.6	1169.8	1171.1	1163.8	1147.9	1141.4	1134.5	1129.8
1194.4	20°	1190.5	1189.2	1203.0	1211.6	1202.6	1180.2	1156.0	1145.3	1138.4	1132.8
1280.5	22.5°	1267.2	1257.3	1255.5	1253.4	1229.3	1182.3	1149.6	1135.8	1125.0	1117.3
1400.7	25°	1378.7	1340.8	1314.6	1299.9	1245.6	1170.7	1128.9	1098.3	1078.1	1064.7
1547.6	27.5°	1518.3	1454.5	1388.2	1352.5	1245.6	1147.0	1078.9	1029.4	996.3	982.5
1689.7	30°	1651.4	1584.6	1486.8	1415.8	1242.6	1108.2	998.4	929.5	890.7	876.9
1811.2	32.5°	1765.1	1692.3	1591.5	1485.1	1235.3	1045.4	898.5	822.2	784.8	768.4
1931.3	35°	1870.6	1793.1	1696.6	1561.4	1215.9	953.2	788.6	730.5	688.7	662.4
2053.7	37.5°	1978.7	1886.5	1796.1	1630.3	1181.0	845.5	704.2	654.7	605.6	570.3
2183.7	40°	2096.3	1986.0	1902.5	1671.2	1123.7	743.0	638.8	593.5	541.4	503.9
2333.6	42.5°	2233.7	2105.3	2020.9	1692.3	1045.4	670.2	596.1	551.7	502.6	472.1
2494.3	45°	2377.1	2236.7	2129.0	1691.9	957.9	636.2	582.3	538.4	484.1	452.3
2659.3	47.5°	2527.5	2374.1	2222.5	1664.3	882.1	640.9	574.6	509.5	449.7	418.7
2825.9	50°	2678.2	2524.4	2313.0	1612.6	849.8	630.6	545.7	469.1	398.4	370.4
2982.3	52.5°	2827.7	2684.2	2390.9	1539.0	817.1	592.2	508.7	416.5	377.3	357.9
3143.8	55°	2978.0	2842.3	2475.8	1431.7	735.2	547.4	446.7	396.7	360.5	342.9
3301.9	57.5°	3128.7	3024.9	2556.3	1324.5	632.3	492.3	412.6	372.6	343.7	328.6
3434.1	60°	3285.5	3233.8	2639.4	1225.8	530.6	421.7	387.6	353.2	323.9	307.1
3561.2	62.5°	3447.0	3463.8	2704.5	1098.8	437.2	378.6	365.2	329.9	301.5	285.6
3666.3	65°	3609.8	3685.7	2747.1	922.6	354.5	337.7	341.1	304.5	275.7	261.9
3743.4	67.5°	3732.6	3845.4	2735.1	698.2	290.7	298.9	311.0	277.8	250.7	239.9
3730.9	70°	3746.4	3826.5	2616.2	478.1	243.4	261.0	277.4	251.5	223.5	215.8
3555.1	72.5°	3562.9	3568.1	2285.0	312.3	205.9	229.1	242.1	224.8	197.7	189.9
3110.2	75°	3081.8	2950.8	1677.6	205.9	172.3	196.8	208.9	196.8	170.6	172.3
2327.2	77.5°	2334.9	2089.8	1018.6	146.4	143.9	165.4	181.8	173.1	150.8	169.3
1170.3	80°	1203.0	1130.6	454.4	109.4	113.7	132.2	149.5	138.3	119.3	113.7
261.4	82.5°	275.7	320.5	179.2	78.4	82.3	95.2	114.1	103.8	85.7	72.4
109.0	85°	96.5	105.5	79.3	49.1	48.2	59.4	77.5	69.3	58.1	46.5
46.1	87.5°	30.6	40.1	29.7	19.8	20.7	26.7	35.7	32.7	27.1	17.7
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>
914.8
939.8
979.5
1024.7
1066.0
1088.9
1112.5
1130.2
1133.2
1119.9
1069.9
989.4
885.1
776.6
671.1
579.7
511.3
478.1
457.4
423.0
372.1
357.9
341.1
326.1
305.8
285.1
261.4
240.3
216.2
189.5
166.3
149.0
103.8
71.5
49.1
18.5
0.0

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