

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: P948038

Luminaire Tested: **GALN-SB3A-950-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948038
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-950-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9488 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

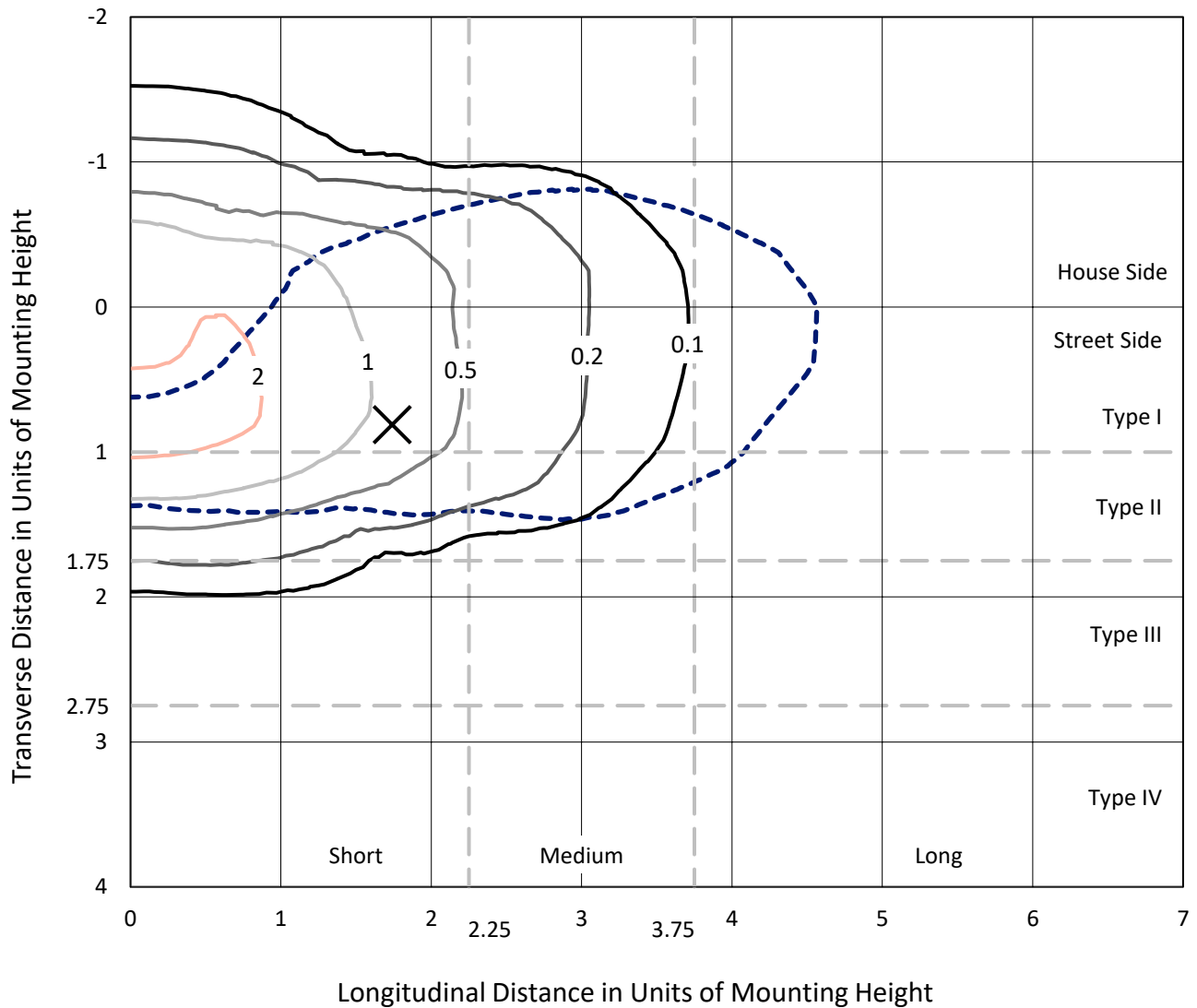
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

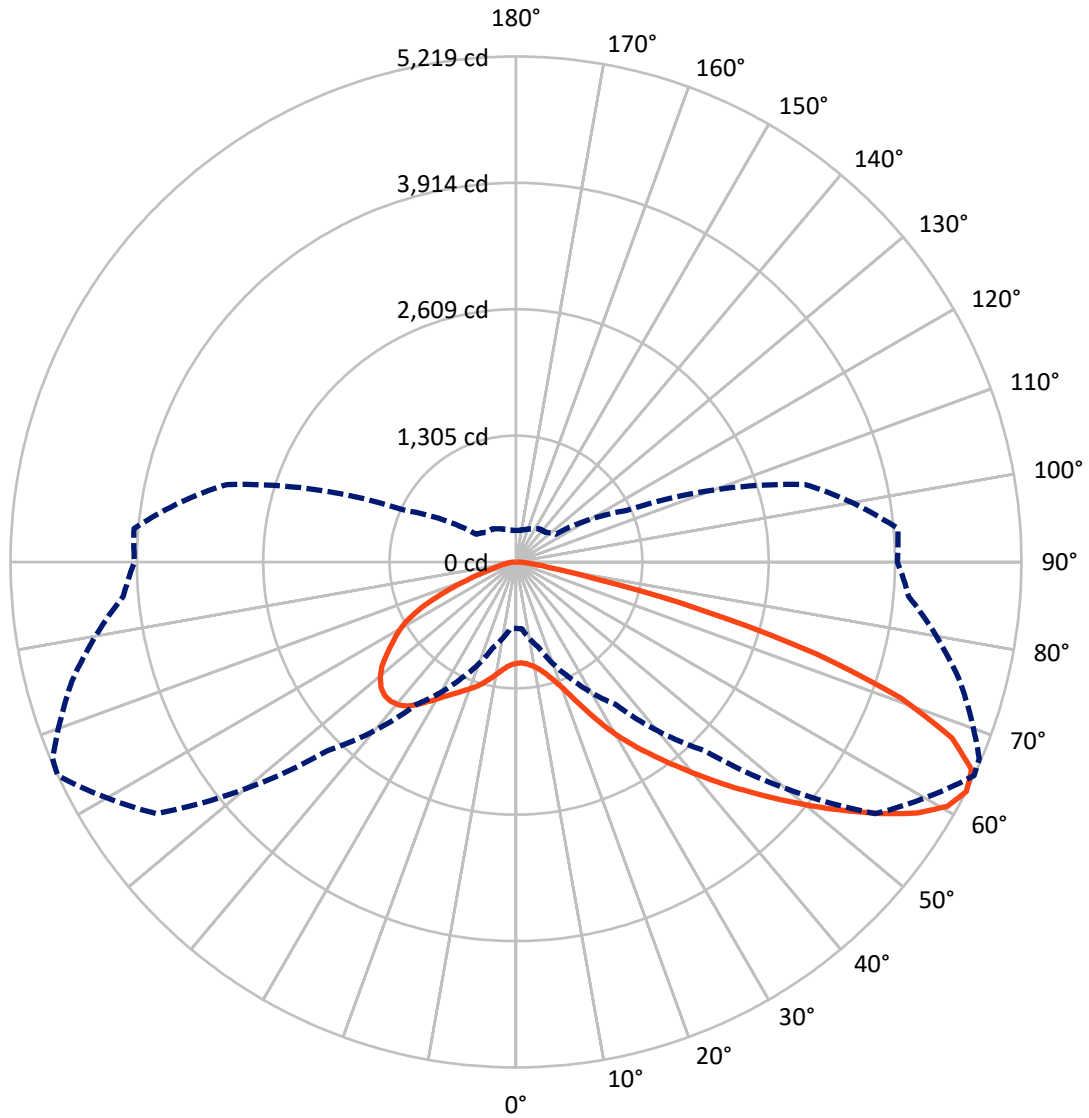
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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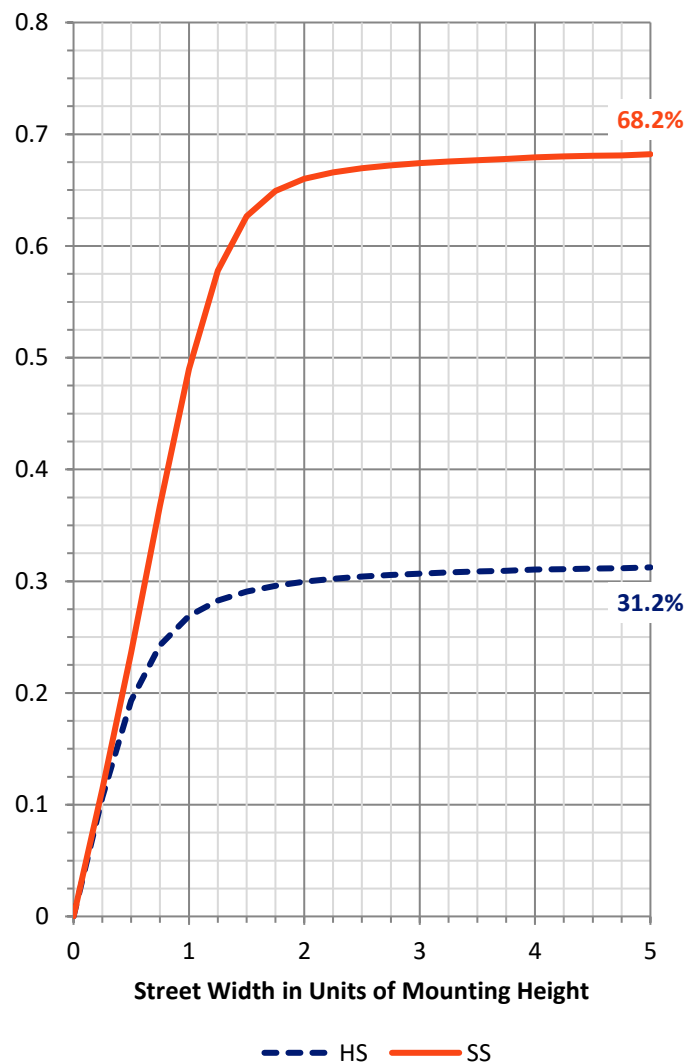
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2994.0	0.0	2994.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	6494.0	0.0	6494.0
	% Fixture	68.4	0.0	68.4
Total	Lumens	9488.0	0.0	9488.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	1.1
10°-20°	353.5	3.7
20°-30°	716.7	7.6
30°-40°	1240.3	13.1
40°-50°	1876.9	19.8
50°-60°	2200.6	23.2
60°-70°	1844.9	19.4
70°-80°	1018.5	10.7
80°-90°	132.3	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°	9488.0	100.0
0°-180°	9488.0	100.0

Coefficient of Utilization

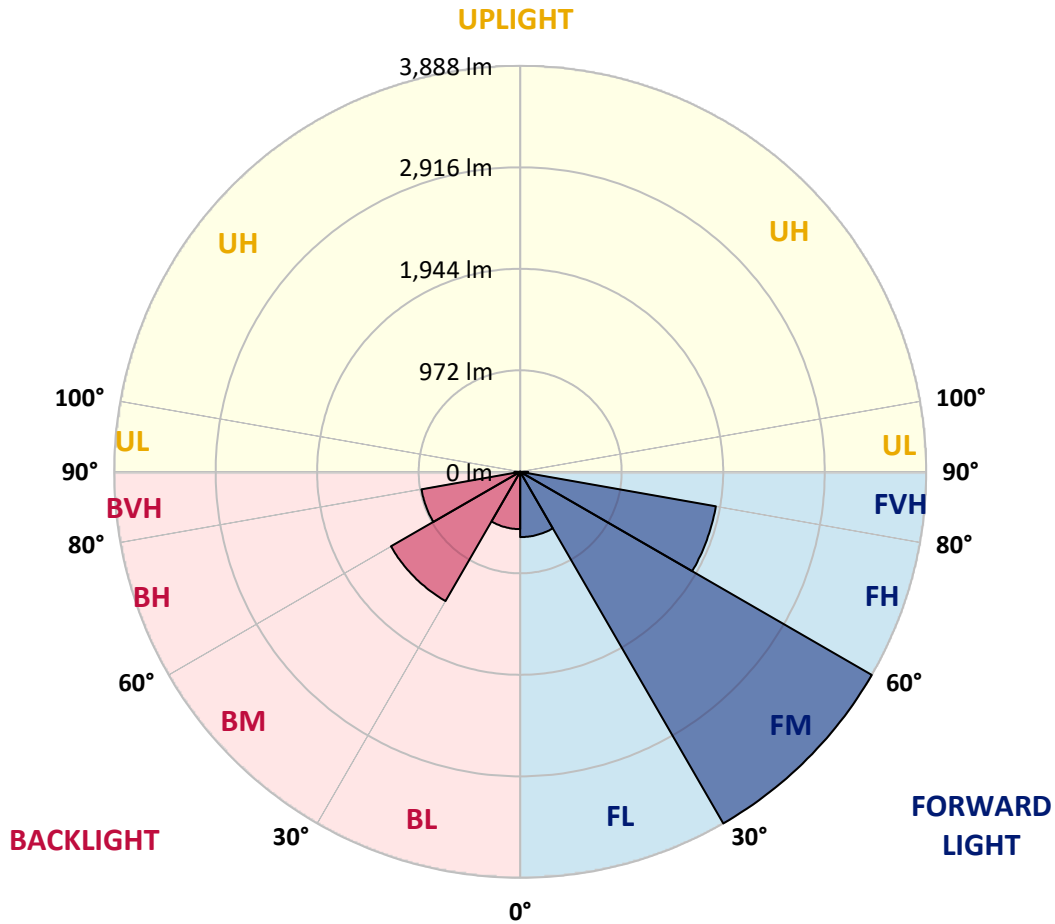


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	625.4	6.6			
FM (30°-60°)	3888.5	41.0			
FH (60°-80°)	1903.0	20.1			G2/5000
FVH (80°-90°)	77.1	0.8			G1/100
BL (0°-30°)	549.1	5.8	B2/1000		
BM (30°-60°)	1429.3	15.1	B2/2500		
BH (60°-80°)	960.5	10.1	B2/1000		G2/1000
BVH (80°-90°)	55.2	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	1045.5	1045.5	1045.5	1045.5	1045.5	1045.5	1045.5	1045.5	1045.5	1045.5
2.5°	1038.6	1035.7	1038.2	1038.2	1039.1	1038.6	1042.1	1043.1	1044.6	1047.5
5°	1028.3	1027.8	1032.2	1036.2	1040.1	1043.6	1048.0	1054.4	1055.4	1058.8
7.5°	1024.9	1021.9	1028.8	1033.7	1043.1	1051.4	1063.3	1074.1	1078.5	1080.0
10°	1051.4	1046.5	1052.9	1055.9	1063.7	1072.1	1085.9	1103.1	1108.1	1114.0
12.5°	1096.7	1091.3	1100.7	1105.1	1112.5	1119.9	1129.2	1146.0	1148.4	1159.2
15°	1158.8	1152.4	1158.3	1163.7	1176.0	1182.9	1192.2	1208.5	1208.5	1216.8
17.5°	1242.9	1234.6	1239.0	1241.0	1248.8	1259.2	1274.9	1289.2	1296.6	1293.6
20°	1368.5	1358.1	1358.1	1348.3	1345.3	1353.7	1374.4	1394.0	1401.9	1386.7
22.5°	1557.0	1542.2	1533.8	1500.4	1487.1	1488.1	1508.7	1532.9	1539.3	1512.2
25°	1796.7	1773.6	1762.3	1713.0	1683.0	1656.9	1673.2	1704.2	1713.0	1679.6
27.5°	2036.4	2037.9	2027.1	1968.0	1918.3	1870.5	1862.2	1894.7	1904.0	1866.1
30°	2372.6	2337.7	2317.0	2246.1	2175.2	2108.3	2073.8	2087.1	2089.6	2044.3
32.5°	2662.6	2653.7	2609.4	2547.4	2456.3	2351.5	2293.9	2272.7	2268.8	2204.3
35°	2992.9	2988.0	2941.2	2867.3	2768.9	2623.2	2519.3	2458.8	2453.9	2363.3
37.5°	3328.6	3328.6	3282.8	3202.1	3100.2	2918.1	2760.0	2664.1	2648.3	2530.2
40°	3596.4	3580.1	3588.5	3554.5	3437.9	3244.4	3027.3	2888.0	2866.9	2725.1
42.5°	3748.5	3743.1	3793.3	3831.2	3783.4	3628.9	3321.7	3130.7	3101.2	2939.7
45°	3782.4	3776.5	3866.1	4004.9	4071.9	4008.4	3641.7	3386.2	3350.2	3164.2
47.5°	3704.2	3692.4	3823.8	4042.8	4257.5	4369.2	3988.2	3663.3	3611.1	3382.7
50°	3468.9	3457.6	3656.4	3947.3	4320.0	4614.3	4364.3	3957.2	3877.4	3617.0
52.5°	2957.4	2962.8	3274.4	3674.1	4237.8	4766.9	4688.2	4266.8	4170.8	3856.8
55°	2303.7	2315.5	2698.5	3138.6	3908.9	4743.8	4909.2	4585.8	4490.3	4082.2
57.5°	1649.5	1701.7	2060.6	2496.2	3277.4	4377.1	4957.4	4889.0	4796.5	4328.3
60°	1069.2	1078.5	1447.7	1886.8	2495.7	3725.3	4859.5	5118.9	5046.5	4579.4
62.5°	685.2	691.6	916.6	1319.7	1796.2	2756.1	4529.7	5218.8	5196.7	4745.3
65°	503.6	498.6	615.8	872.3	1209.9	1699.7	3889.3	5170.6	5214.4	4849.1
67.5°	420.4	413.5	471.1	604.0	891.5	965.3	2877.7	4857.0	5017.5	4837.3
70°	383.0	377.1	412.0	448.4	695.5	646.3	1450.7	4222.5	4469.6	4702.9
72.5°	324.4	314.1	361.8	398.2	541.0	495.7	599.6	3243.4	3544.7	4272.2
75°	251.5	244.6	285.5	350.5	406.6	386.9	379.0	1969.5	2298.3	3304.0
77.5°	199.4	190.0	227.4	273.2	365.7	291.9	276.2	848.1	1174.0	2109.3
80°	150.1	141.8	172.8	216.1	281.1	220.0	178.7	346.1	442.5	1068.7
82.5°	106.8	99.4	120.6	158.5	189.0	197.4	109.8	193.9	218.1	412.0
85°	68.4	64.0	80.7	99.4	120.1	127.0	66.9	101.4	111.2	169.8
87.5°	37.4	30.5	43.3	46.3	55.6	50.7	32.0	36.9	39.9	61.5
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°
1045.5	0°	1045.5	1045.5	1045.5	1045.5	1045.5	1045.5	1045.5	1045.5	1045.5	1045.5
1047.5	2.5°	1049.5	1051.0	1055.9	1057.4	1060.8	1065.2	1068.2	1071.1	1071.1	1074.1
1063.3	5°	1063.7	1067.2	1077.5	1082.9	1091.8	1100.7	1106.1	1112.5	1116.4	1118.4
1088.4	7.5°	1091.3	1096.7	1111.5	1120.9	1136.1	1148.4	1156.8	1165.6	1167.6	1173.0
1123.3	10°	1128.7	1135.1	1151.9	1169.6	1187.8	1203.1	1210.9	1217.3	1219.8	1220.8
1168.1	12.5°	1171.6	1180.9	1202.6	1224.2	1243.4	1256.7	1258.7	1257.2	1250.3	1244.4
1223.2	15°	1224.2	1232.6	1256.7	1280.3	1299.0	1301.5	1289.2	1281.3	1273.0	1271.5
1284.8	17.5°	1287.2	1291.7	1313.8	1336.9	1338.4	1330.1	1311.8	1304.5	1296.6	1291.2
1365.0	20°	1360.6	1359.1	1374.9	1384.7	1374.4	1348.8	1321.2	1308.9	1301.0	1294.6
1463.5	22.5°	1448.2	1436.9	1434.9	1432.4	1404.9	1351.2	1313.8	1298.1	1285.8	1276.9
1600.8	25°	1575.7	1532.4	1502.3	1485.6	1423.6	1337.9	1290.2	1255.2	1232.1	1216.8
1768.6	27.5°	1735.2	1662.3	1586.5	1545.7	1423.6	1310.9	1233.1	1176.5	1138.6	1122.8
1931.1	30°	1887.3	1811.0	1699.2	1618.0	1420.1	1266.6	1141.0	1062.3	1018.0	1002.2
2069.9	32.5°	2017.2	1934.0	1818.9	1697.3	1411.8	1194.7	1026.8	939.7	896.9	878.2
2207.2	35°	2137.8	2049.2	1939.0	1784.4	1389.6	1089.3	901.3	834.9	787.1	757.1
2347.0	37.5°	2261.4	2156.0	2052.7	1863.2	1349.7	966.3	804.8	748.2	692.1	651.7
2495.7	40°	2395.8	2269.8	2174.3	1909.9	1284.3	849.1	730.0	678.3	618.8	575.9
2667.0	42.5°	2552.8	2406.1	2309.6	1934.0	1194.7	765.9	681.3	630.6	574.5	539.5
2850.6	45°	2716.7	2556.2	2433.2	1933.6	1094.8	727.1	665.5	615.3	553.3	516.9
3039.1	47.5°	2888.5	2713.3	2540.0	1902.0	1008.1	732.5	656.7	582.3	513.9	478.5
3229.6	50°	3060.8	2885.1	2643.4	1843.0	971.2	720.7	623.7	536.1	455.3	423.3
3408.3	52.5°	3231.6	3067.7	2732.5	1758.8	933.8	676.8	581.3	476.0	431.2	409.1
3592.9	55°	3403.4	3248.3	2829.4	1636.2	840.3	625.6	510.5	453.4	412.0	391.8
3773.6	57.5°	3575.7	3457.1	2921.5	1513.7	722.6	562.6	471.6	425.8	392.8	375.6
3924.7	60°	3754.9	3695.8	3016.5	1400.9	606.5	481.9	443.0	403.6	370.2	351.0
4069.9	62.5°	3939.5	3958.7	3090.8	1255.7	499.6	432.7	417.4	377.1	344.6	326.4
4190.0	65°	4125.5	4212.2	3139.6	1054.4	405.1	385.9	389.9	348.0	315.0	299.3
4278.1	67.5°	4265.8	4394.8	3125.8	797.9	332.3	341.6	355.4	317.5	286.5	274.2
4263.9	70°	4281.6	4373.1	2989.9	546.4	278.1	298.3	317.0	287.5	255.5	246.6
4063.0	72.5°	4071.9	4077.8	2611.4	356.9	235.3	261.9	276.6	257.0	225.9	217.1
3554.5	75°	3522.0	3372.4	1917.3	235.3	196.9	225.0	238.7	225.0	194.9	196.9
2659.6	77.5°	2668.5	2388.4	1164.2	167.4	164.4	189.0	207.7	197.9	172.3	193.5
1337.4	80°	1374.9	1292.2	519.3	125.0	130.0	151.1	170.8	158.0	136.4	130.0
298.8	82.5°	315.0	366.2	204.8	89.6	94.0	108.8	130.4	118.6	98.0	82.7
124.5	85°	110.3	120.6	90.6	56.1	55.1	67.9	88.6	79.3	66.5	53.2
52.7	87.5°	34.9	45.8	34.0	22.6	23.6	30.5	40.9	37.4	31.0	20.2
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>
1045.5
1074.1
1119.4
1171.1
1218.3
1244.4
1271.5
1291.7
1295.1
1279.8
1222.7
1130.7
1011.6
887.5
766.9
662.6
584.3
546.4
522.8
483.4
425.3
409.1
389.9
372.6
349.5
325.9
298.8
274.7
247.1
216.6
190.0
170.3
118.6
81.7
56.1
21.2
0.0

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