

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: P947324

Luminaire Tested: **GALN-SB2C-950-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947324
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-SB2C-950-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10558 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

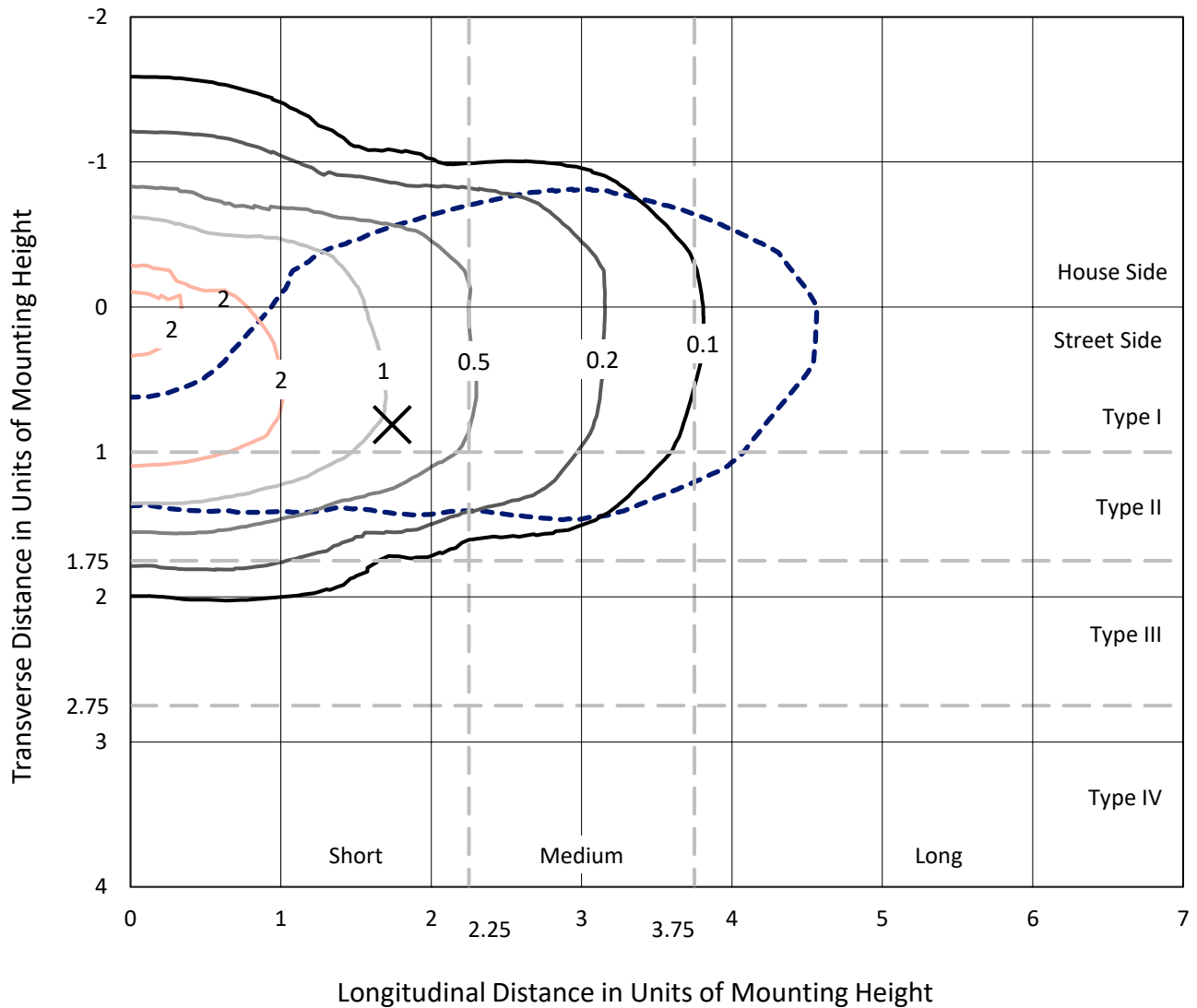
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

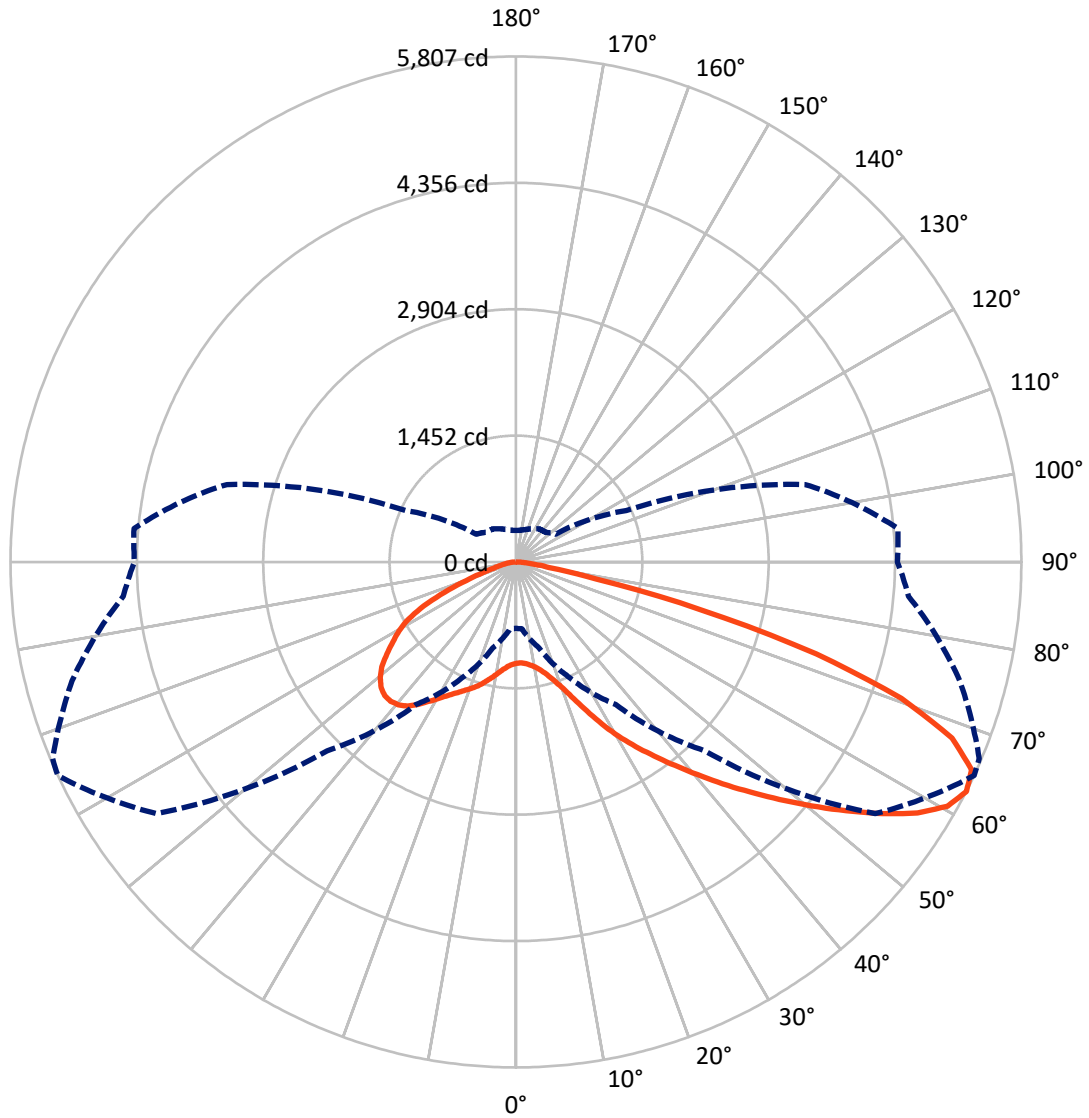
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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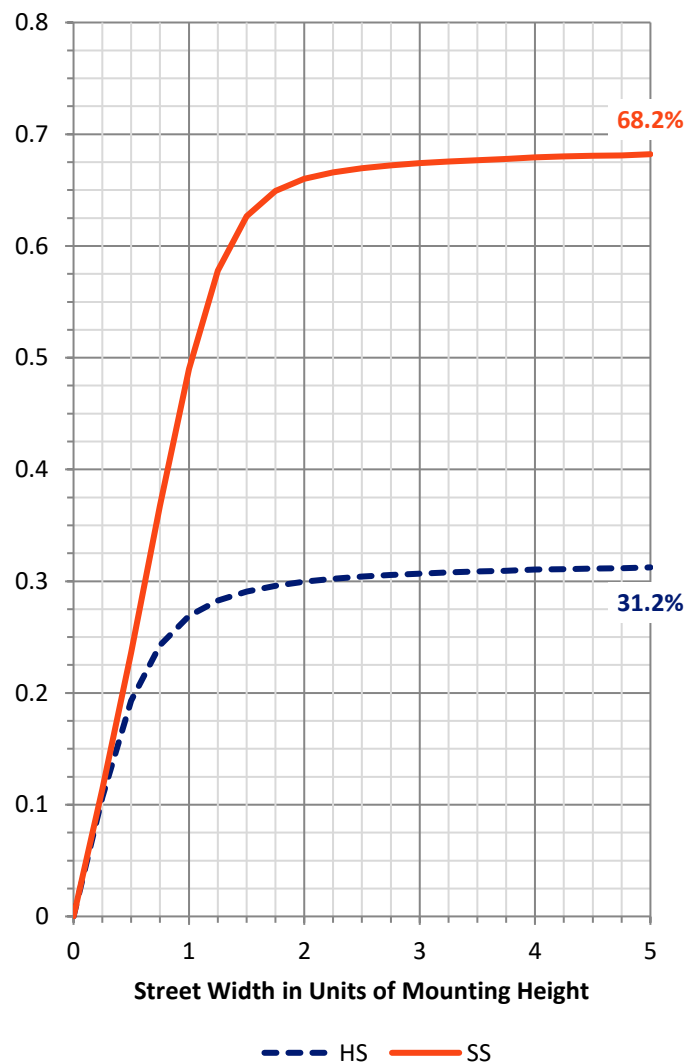
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3331.6	0.0	3331.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	7226.4	0.0	7226.4
	% Fixture	68.4	0.0	68.4
Total	Lumens	10558.0	0.0	10558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.0	1.1
10°-20°	393.3	3.7
20°-30°	797.6	7.6
30°-40°	1380.2	13.1
40°-50°	2088.6	19.8
50°-60°	2448.7	23.2
60°-70°	2053.0	19.4
70°-80°	1133.4	10.7
80°-90°	147.2	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°	10558.0	100.0
0°-180°	10558.0	100.0

Coefficient of Utilization



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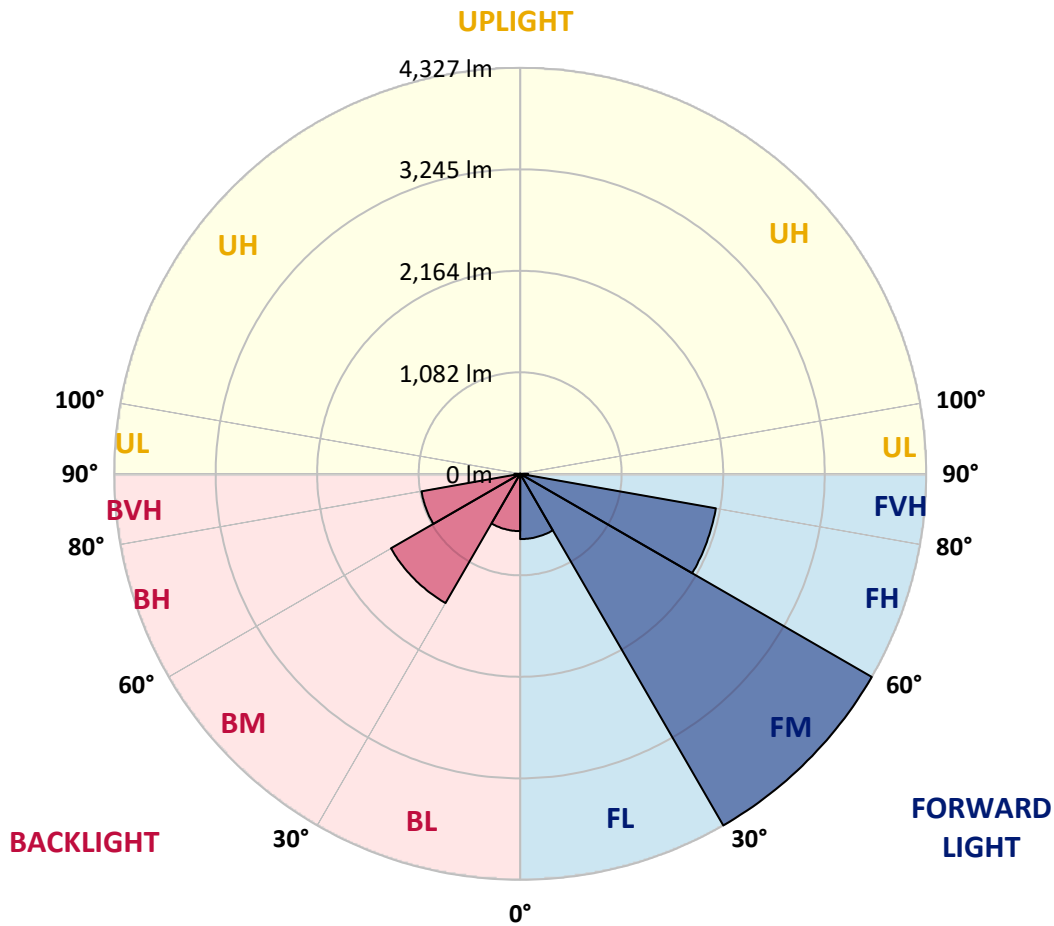
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	695.9	6.6			
FM (30°-60°)	4327.0	41.0			
FH (60°-80°)	2117.6	20.1			G2/5000
FVH (80°-90°)	85.8	0.8			G1/100
BL (0°-30°)	611.0	5.8	B2/1000		
BM (30°-60°)	1590.5	15.1	B2/2500		
BH (60°-80°)	1068.8	10.1	B3/2500		G3/2500
BVH (80°-90°)	61.4	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°	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4
2.5°	1155.8	1152.5	1155.2	1155.2	1156.3	1155.8	1159.6	1160.7	1162.4	1165.6
5°	1144.3	1143.7	1148.7	1153.0	1157.4	1161.3	1166.2	1173.3	1174.4	1178.2
7.5°	1140.4	1137.2	1144.8	1150.3	1160.7	1170.0	1183.2	1195.2	1200.1	1201.8
10°	1170.0	1164.5	1171.7	1174.9	1183.7	1193.0	1208.4	1227.5	1233.0	1239.6
12.5°	1220.4	1214.4	1224.8	1229.7	1237.9	1246.2	1256.6	1275.2	1277.9	1290.0
15°	1289.4	1282.3	1288.9	1294.9	1308.6	1316.3	1326.7	1344.8	1344.8	1354.1
17.5°	1383.1	1373.8	1378.7	1380.9	1389.7	1401.2	1418.7	1434.6	1442.8	1439.5
20°	1522.8	1511.3	1511.3	1500.3	1497.0	1506.3	1529.4	1551.3	1560.0	1543.0
22.5°	1732.6	1716.1	1706.8	1669.6	1654.8	1655.9	1678.9	1705.7	1712.9	1682.7
25°	1999.3	1973.6	1961.0	1906.2	1872.8	1843.8	1861.8	1896.4	1906.2	1869.0
27.5°	2266.1	2267.7	2255.7	2190.0	2134.6	2081.5	2072.2	2108.3	2118.7	2076.6
30°	2640.2	2601.3	2578.3	2499.4	2420.6	2346.1	2307.7	2322.5	2325.2	2274.9
32.5°	2962.8	2953.0	2903.7	2834.7	2733.3	2616.7	2552.6	2529.0	2524.6	2452.9
35°	3330.4	3324.9	3272.9	3190.7	3081.2	2919.0	2803.4	2736.1	2730.6	2629.8
37.5°	3704.0	3704.0	3653.0	3563.2	3449.8	3247.1	3071.3	2964.5	2947.0	2815.5
40°	4001.9	3983.9	3993.2	3955.4	3825.6	3610.3	3368.7	3213.7	3190.2	3032.4
42.5°	4171.2	4165.2	4221.1	4263.2	4210.1	4038.1	3696.3	3483.8	3450.9	3271.2
45°	4209.0	4202.4	4302.1	4456.6	4531.1	4460.4	4052.3	3768.1	3728.1	3521.0
47.5°	4121.9	4108.8	4255.0	4498.8	4737.6	4861.9	4438.0	4076.4	4018.4	3764.2
50°	3860.1	3847.5	4068.8	4392.5	4807.2	5134.7	4856.5	4403.5	4314.7	4025.0
52.5°	3291.0	3297.0	3643.7	4088.5	4715.7	5304.5	5216.9	4748.0	4641.2	4291.7
55°	2563.5	2576.7	3002.8	3492.5	4349.8	5278.8	5462.8	5102.9	4996.7	4542.6
57.5°	1835.5	1893.6	2292.9	2777.7	3647.0	4870.7	5516.5	5440.4	5337.4	4816.5
60°	1189.7	1200.1	1611.0	2099.6	2777.2	4145.5	5407.5	5696.2	5615.7	5095.8
62.5°	762.5	769.6	1019.9	1468.5	1998.8	3066.9	5040.5	5807.4	5782.7	5280.4
65°	560.4	554.9	685.2	970.6	1346.4	1891.4	4327.9	5753.7	5802.4	5396.0
67.5°	467.8	460.1	524.2	672.1	992.0	1074.2	3202.2	5404.8	5583.3	5382.9
70°	426.2	419.6	458.5	499.0	774.0	719.2	1614.3	4698.7	4973.7	5233.3
72.5°	361.0	349.5	402.6	443.1	602.0	551.6	667.2	3609.2	3944.4	4754.0
75°	279.9	272.2	317.7	390.0	452.5	430.5	421.8	2191.6	2557.5	3676.6
77.5°	221.8	211.4	253.1	304.0	407.0	324.8	307.3	943.8	1306.4	2347.2
80°	167.1	157.8	192.3	240.5	312.8	244.8	198.8	385.1	492.4	1189.2
82.5°	118.9	110.6	134.2	176.4	210.3	219.7	122.2	215.8	242.7	458.5
85°	76.1	71.2	89.8	110.6	133.7	141.3	74.5	112.8	123.8	189.0
87.5°	41.6	34.0	48.2	51.5	61.9	56.4	35.6	41.1	44.4	68.5
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°
1163.4	0°	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4	1163.4
1165.6	2.5°	1167.8	1169.5	1174.9	1176.6	1180.4	1185.4	1188.6	1191.9	1191.9	1195.2
1183.2	5°	1183.7	1187.5	1199.1	1205.1	1214.9	1224.8	1230.8	1237.9	1242.3	1244.5
1211.1	7.5°	1214.4	1220.4	1236.8	1247.3	1264.2	1277.9	1287.2	1297.1	1299.3	1305.3
1250.0	10°	1256.0	1263.1	1281.8	1301.5	1321.7	1338.7	1347.5	1354.6	1357.4	1358.4
1299.8	12.5°	1303.7	1314.1	1338.2	1362.3	1383.6	1398.4	1400.6	1399.0	1391.3	1384.7
1361.2	15°	1362.3	1371.6	1398.4	1424.7	1445.5	1448.3	1434.6	1425.8	1416.5	1414.9
1429.7	17.5°	1432.4	1437.3	1462.0	1487.7	1489.4	1480.1	1459.8	1451.6	1442.8	1436.8
1518.9	20°	1514.0	1512.4	1529.9	1540.9	1529.4	1500.9	1470.2	1456.5	1447.7	1440.6
1628.5	22.5°	1611.5	1598.9	1596.7	1594.0	1563.3	1503.6	1462.0	1444.4	1430.8	1420.9
1781.3	25°	1753.4	1705.2	1671.8	1653.1	1584.1	1488.8	1435.7	1396.8	1371.0	1354.1
1968.1	27.5°	1930.9	1849.8	1765.4	1720.0	1584.1	1458.7	1372.1	1309.2	1267.0	1249.4
2148.9	30°	2100.1	2015.2	1890.9	1800.5	1580.3	1409.4	1269.7	1182.1	1132.8	1115.2
2303.3	32.5°	2244.7	2152.2	2024.0	1888.7	1571.0	1329.4	1142.6	1045.7	998.0	977.2
2456.2	35°	2378.9	2280.3	2157.6	1985.6	1546.3	1212.2	1003.0	929.0	875.9	842.5
2611.7	37.5°	2516.4	2399.2	2284.2	2073.3	1502.0	1075.3	895.6	832.6	770.2	725.2
2777.2	40°	2666.0	2525.7	2419.5	2125.3	1429.1	944.9	812.3	754.8	688.5	640.9
2967.8	42.5°	2840.7	2677.5	2570.1	2152.2	1329.4	852.3	758.1	701.7	639.2	600.3
3172.1	45°	3023.1	2844.5	2707.6	2151.6	1218.2	809.0	740.6	684.7	615.7	575.1
3381.9	47.5°	3214.3	3019.3	2826.5	2116.6	1121.8	815.1	730.7	648.0	571.9	532.4
3593.9	50°	3406.0	3210.4	2941.5	2050.8	1080.7	801.9	694.0	596.5	506.7	471.1
3792.7	52.5°	3596.1	3413.7	3040.6	1957.2	1039.1	753.2	646.9	529.7	479.8	455.2
3998.1	55°	3787.2	3614.7	3148.5	1820.8	935.0	696.2	568.0	504.5	458.5	436.0
4199.1	57.5°	3978.9	3846.9	3251.0	1684.4	804.1	626.1	524.8	473.8	437.1	417.9
4367.3	60°	4178.3	4112.6	3356.7	1558.9	674.8	536.3	493.0	449.2	411.9	390.6
4528.9	62.5°	4383.7	4405.1	3439.4	1397.3	556.0	481.5	464.5	419.6	383.4	363.2
4662.5	65°	4590.8	4687.2	3493.6	1173.3	450.8	429.4	433.8	387.3	350.6	333.0
4760.6	67.5°	4746.9	4890.4	3478.3	887.9	369.7	380.1	395.5	353.3	318.8	305.1
4744.7	70°	4764.4	4866.3	3327.1	608.0	309.5	331.9	352.8	319.9	284.3	274.4
4521.2	72.5°	4531.1	4537.7	2905.9	397.1	261.8	291.4	307.8	285.9	251.4	241.6
3955.4	75°	3919.2	3752.7	2133.5	261.8	219.1	250.3	265.7	250.3	216.9	219.1
2959.6	77.5°	2969.4	2657.7	1295.5	186.2	183.0	210.3	231.2	220.2	191.7	215.3
1488.3	80°	1529.9	1437.9	577.9	139.1	144.6	168.2	190.1	175.8	151.7	144.6
332.5	82.5°	350.6	407.5	227.9	99.7	104.6	121.1	145.2	132.0	109.0	92.0
138.6	85°	122.7	134.2	100.8	62.4	61.3	75.6	98.6	88.2	73.9	59.2
58.6	87.5°	38.9	50.9	37.8	25.2	26.3	34.0	45.5	41.6	34.5	22.5
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>
1163.4
1195.2
1245.6
1303.1
1355.7
1384.7
1414.9
1437.3
1441.2
1424.2
1360.6
1258.2
1125.7
987.6
853.4
737.3
650.2
608.0
581.7
537.9
473.3
455.2
433.8
414.7
388.9
362.6
332.5
305.7
275.0
241.0
211.4
189.5
132.0
90.9
62.4
23.6
0.0

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