

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: P940197

Luminaire Tested: **GALN-SB3A-927-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
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-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8198 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

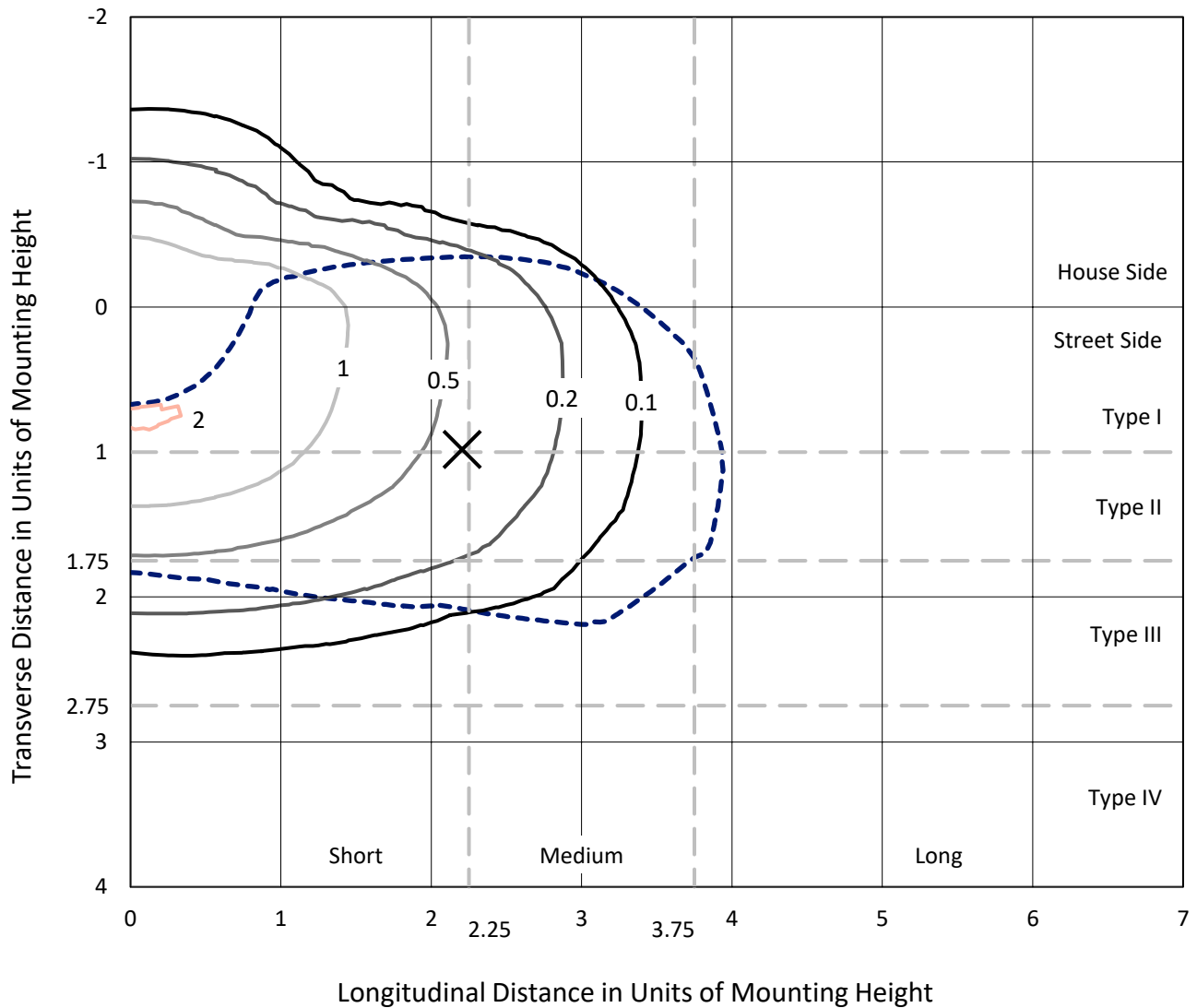
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

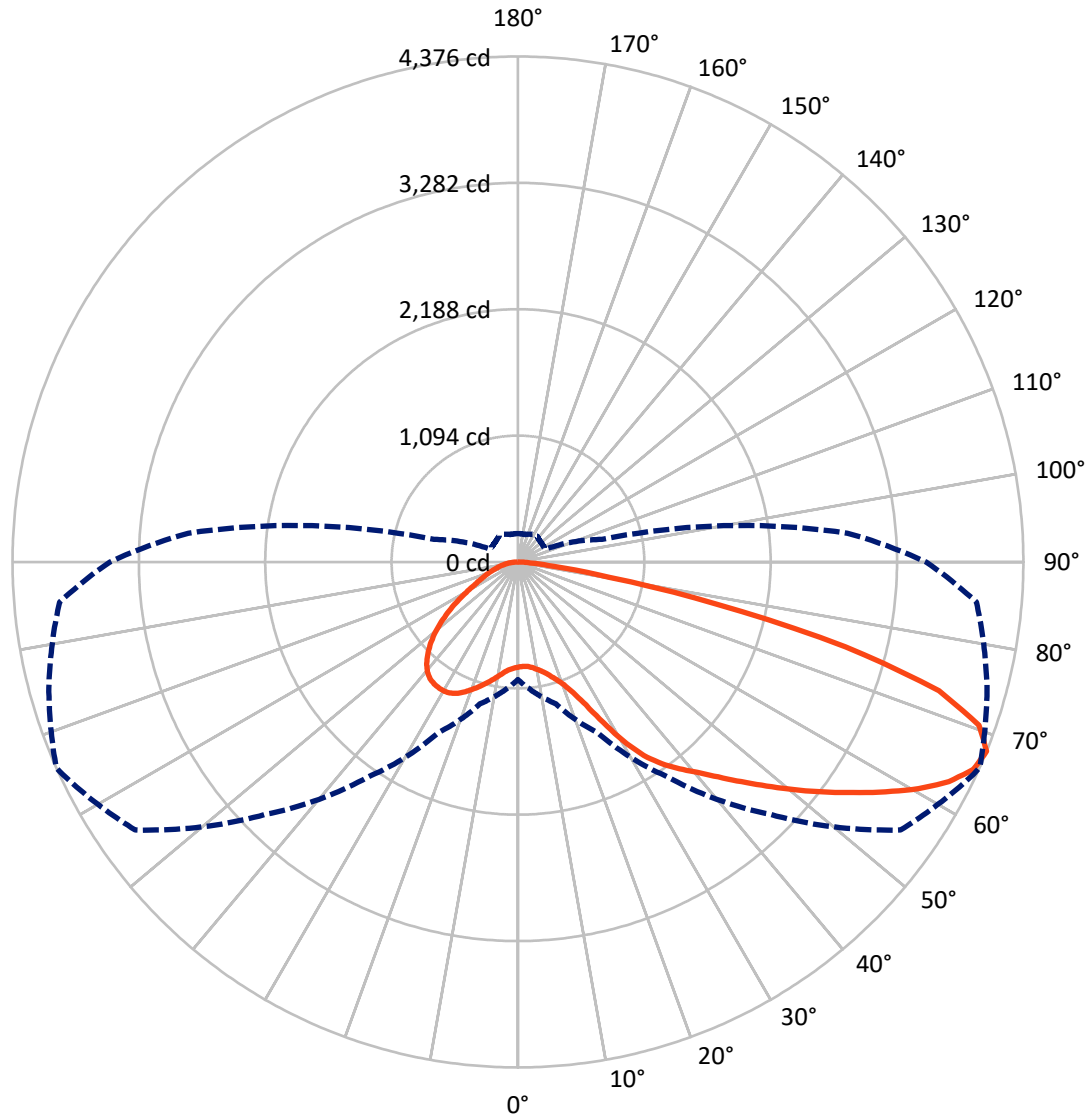
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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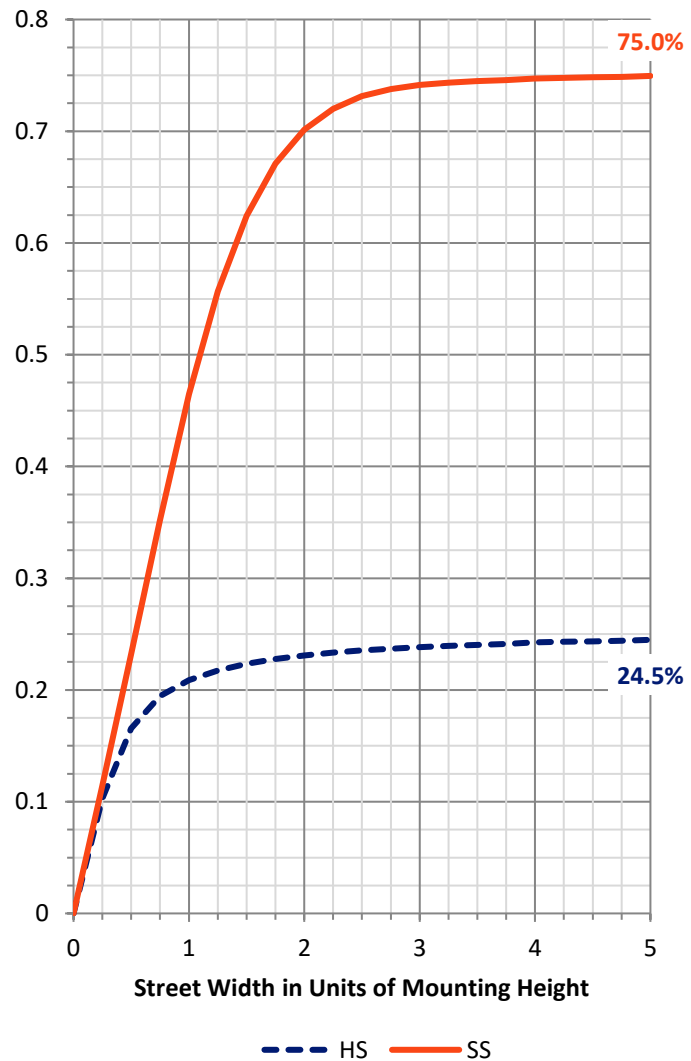
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2038.4	0.0	2038.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	6159.6	0.0	6159.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	8198.0	0.0	8198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.1
10°-20°	297.8	3.6
20°-30°	574.1	7.0
30°-40°	1006.6	12.3
40°-50°	1496.4	18.3
50°-60°	1896.9	23.1
60°-70°	1856.1	22.6
70°-80°	885.4	10.8
80°-90°	94.6	1.2
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°	8198.0	100.0
0°-180°	8198.0	100.0

Coefficient of Utilization



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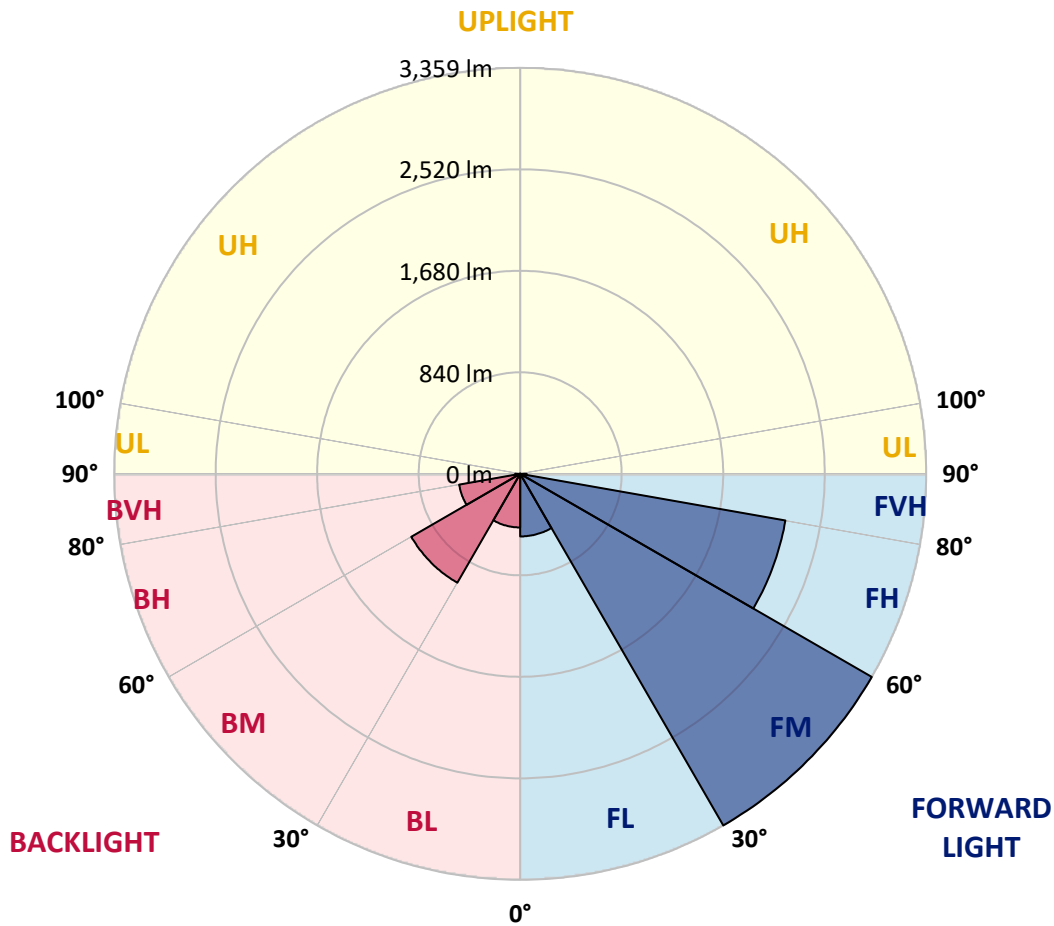
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	518.0	6.3			
FM (30°-60°)	3359.5	41.0			
FH (60°-80°)	2228.4	27.2			G2/5000
FVH (80°-90°)	53.6	0.7			G1/100
BL (0°-30°)	444.0	5.4	B1/500		
BM (30°-60°)	1040.4	12.7	B2/2500		
BH (60°-80°)	513.0	6.3	B2/1000		G2/1000
BVH (80°-90°)	41.0	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	909.3	909.3	909.3	909.3	909.3	909.3	909.3	909.3	909.3	909.3
2.5°	899.8	905.0	903.7	901.5	901.1	901.9	903.2	904.5	904.1	906.3
5°	897.2	902.4	901.9	901.9	903.7	907.1	909.3	911.4	909.3	911.9
7.5°	898.9	902.8	904.5	906.3	910.6	917.0	922.2	926.9	924.3	927.4
10°	920.9	923.9	925.6	925.6	928.6	936.0	941.1	949.8	947.6	952.3
12.5°	961.0	964.0	964.0	962.2	964.4	969.1	970.9	980.3	976.5	984.2
15°	1010.1	1016.1	1011.3	1008.3	1009.2	1013.9	1013.5	1020.8	1016.9	1023.4
17.5°	1064.3	1072.1	1064.3	1063.9	1062.2	1067.3	1067.8	1074.2	1067.3	1072.1
20°	1128.5	1139.3	1132.8	1135.0	1131.1	1133.2	1135.4	1144.9	1134.1	1137.6
22.5°	1219.0	1231.9	1225.0	1233.2	1230.6	1228.9	1228.4	1245.2	1228.4	1229.7
25°	1350.8	1366.3	1354.2	1365.4	1365.4	1371.0	1377.5	1399.0	1371.0	1362.8
27.5°	1545.5	1561.0	1537.3	1544.2	1542.0	1555.8	1548.9	1602.3	1572.2	1558.8
30°	1779.8	1807.3	1762.5	1760.8	1758.7	1780.6	1790.5	1825.9	1795.3	1781.9
32.5°	2033.0	2061.9	2008.5	1993.0	1984.8	1998.1	1990.0	2018.4	1997.3	1976.6
35°	2300.9	2329.4	2278.6	2248.4	2215.7	2187.7	2158.4	2165.7	2145.9	2114.4
37.5°	2554.2	2606.3	2552.5	2520.2	2459.9	2405.2	2323.3	2289.3	2270.8	2241.9
40°	2812.2	2841.9	2801.0	2773.5	2708.0	2622.3	2491.3	2419.4	2394.4	2366.4
42.5°	3002.2	3030.6	3008.6	2989.7	2938.4	2838.9	2669.7	2579.6	2543.4	2512.0
45°	3152.9	3174.0	3160.3	3167.1	3145.2	3048.7	2854.4	2751.5	2714.0	2675.7
47.5°	3213.7	3236.1	3258.0	3298.9	3336.4	3265.3	3053.0	2937.6	2897.9	2858.7
50°	3206.8	3229.6	3293.3	3380.4	3496.6	3473.0	3262.3	3135.7	3099.1	3054.3
52.5°	3151.6	3177.5	3259.3	3404.0	3589.3	3628.5	3475.5	3340.3	3305.8	3252.4
55°	3006.9	3022.4	3145.2	3350.2	3611.2	3737.0	3684.4	3558.2	3523.8	3449.3
57.5°	2738.6	2761.0	2939.7	3205.0	3556.1	3810.6	3867.9	3787.4	3754.2	3647.0
60°	2388.4	2424.1	2628.7	2961.3	3415.7	3810.2	4034.6	4012.7	3985.1	3841.7
62.5°	1992.1	2033.5	2230.3	2616.7	3170.2	3702.1	4138.9	4201.3	4187.1	4021.3
65°	1529.9	1558.4	1754.4	2170.9	2788.1	3469.9	4150.9	4330.1	4332.7	4157.8
67.5°	1018.7	1100.5	1270.6	1629.0	2276.4	3090.5	4045.0	4351.2	4376.2	4204.8
70°	497.1	604.7	771.4	1058.7	1629.0	2508.6	3768.0	4178.1	4233.6	4067.8
72.5°	206.3	241.2	332.1	522.5	935.1	1692.8	3211.5	3708.6	3811.5	3604.3
75°	139.1	150.8	190.0	267.9	426.0	834.8	2316.0	2765.3	2931.1	2722.2
77.5°	107.3	114.6	138.3	187.4	253.3	315.7	1239.6	1666.5	1752.2	1622.1
80°	84.4	90.0	103.4	136.5	179.6	168.8	422.5	755.1	804.6	675.0
82.5°	73.2	75.4	74.1	92.6	119.3	98.6	138.7	278.7	307.5	223.1
85°	53.0	59.0	61.6	57.3	63.3	50.0	56.9	98.6	108.5	96.9
87.5°	21.5	31.9	39.2	37.0	23.3	14.2	17.7	28.9	33.2	36.2
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°
909.3	0°	909.3	909.3	909.3	909.3	909.3	909.3	909.3	909.3	909.3	909.3
909.7	2.5°	910.1	913.1	915.3	917.9	919.6	922.2	927.4	930.4	930.8	933.0
916.6	5°	918.3	922.6	927.4	934.2	942.0	948.5	958.4	965.3	967.8	970.0
933.4	7.5°	936.0	942.0	950.6	962.7	973.9	982.5	994.6	1002.7	1010.9	1013.9
960.1	10°	962.2	970.9	983.4	999.7	1011.8	1023.0	1035.5	1042.4	1050.5	1054.0
992.0	12.5°	995.0	1004.0	1020.4	1043.2	1054.4	1062.2	1066.5	1064.8	1066.5	1069.5
1030.3	15°	1032.5	1042.4	1060.9	1085.4	1093.2	1086.3	1076.8	1068.2	1066.9	1067.8
1076.8	17.5°	1076.8	1084.1	1105.7	1126.4	1120.8	1092.3	1071.7	1057.9	1051.0	1048.8
1136.3	20°	1138.8	1138.8	1156.5	1169.4	1132.0	1083.7	1051.4	1029.0	1014.8	1008.8
1217.2	22.5°	1214.2	1207.3	1218.5	1209.5	1129.8	1059.6	1014.8	976.0	954.5	945.9
1330.5	25°	1309.8	1301.7	1298.6	1242.6	1114.3	1021.3	948.5	901.5	882.6	877.8
1493.8	27.5°	1454.1	1433.5	1394.3	1260.7	1085.9	961.0	870.9	827.4	816.7	817.1
1703.5	30°	1646.2	1604.9	1508.8	1263.8	1039.3	875.7	791.7	760.7	755.5	757.7
1879.7	32.5°	1824.1	1784.9	1626.0	1250.0	967.8	792.1	720.6	699.9	692.2	694.8
2014.1	35°	1963.7	1952.9	1734.5	1230.6	880.0	713.7	656.9	639.2	624.1	620.7
2140.7	37.5°	2095.5	2091.2	1815.9	1203.5	793.0	658.2	605.6	582.3	560.4	548.3
2280.7	40°	2240.2	2235.9	1869.4	1161.7	715.9	609.9	559.5	528.9	501.8	479.8
2439.2	42.5°	2403.0	2377.6	1894.8	1101.8	650.4	569.0	522.0	480.7	444.9	424.7
2618.4	45°	2580.9	2523.6	1894.3	1025.6	595.3	531.5	482.0	423.4	390.2	371.3
2802.3	47.5°	2769.6	2663.2	1871.1	941.1	541.9	490.2	420.0	375.2	353.2	341.6
3002.2	50°	2964.3	2793.7	1831.5	844.2	487.2	443.2	381.2	350.6	333.8	323.0
3200.3	52.5°	3147.3	2912.2	1783.6	734.4	431.6	397.6	364.0	340.3	322.6	310.6
3392.4	55°	3317.5	3014.2	1716.0	622.0	386.4	367.0	355.8	336.0	315.7	301.5
3587.5	57.5°	3468.7	3080.6	1599.3	516.4	354.1	345.9	347.2	328.6	305.4	293.3
3779.6	60°	3594.4	3129.2	1426.6	418.7	327.8	325.2	333.8	314.9	287.7	273.9
3942.0	62.5°	3669.8	3128.4	1214.7	342.9	305.4	306.2	316.2	297.6	270.1	257.1
4026.9	65°	3663.3	3051.7	982.1	293.3	283.8	284.7	297.6	278.7	255.4	247.7
3984.2	67.5°	3533.7	2864.8	753.3	261.0	260.2	264.0	279.1	265.8	246.4	245.5
3730.1	70°	3182.6	2476.7	542.7	235.2	235.6	241.2	261.0	257.6	241.6	243.4
3136.1	72.5°	2552.1	1888.3	364.4	208.0	208.5	217.5	243.8	251.1	236.9	259.7
2225.1	75°	1699.7	1177.6	234.3	179.2	179.6	191.2	228.7	238.6	224.0	258.9
1157.8	77.5°	816.7	529.4	169.7	150.8	150.8	161.5	197.7	213.6	190.8	201.1
372.1	80°	282.1	199.0	133.5	121.5	118.9	126.2	166.7	185.2	164.5	151.6
121.5	82.5°	111.1	103.4	107.3	94.3	85.7	90.5	129.6	152.9	121.0	109.4
68.5	85°	63.7	67.2	75.8	62.5	49.5	55.6	95.2	109.8	91.3	80.5
22.4	87.5°	17.2	23.7	34.9	32.3	22.4	23.7	45.2	60.7	52.5	40.5
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

180°
909.3
932.5
969.6
1014.4
1055.7
1070.4
1070.8
1051.8
1007.5
944.6
878.7
818.4
765.0
698.2
623.3
548.7
482.0
426.0
370.4
339.0
319.2
305.4
295.9
285.6
267.9
253.3
247.2
246.8
242.9
263.2
261.0
184.4
142.1
109.0
82.3
41.8
0.0

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