

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: P940194

Luminaire Tested: **GALN-SB3A-927-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
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-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5982 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

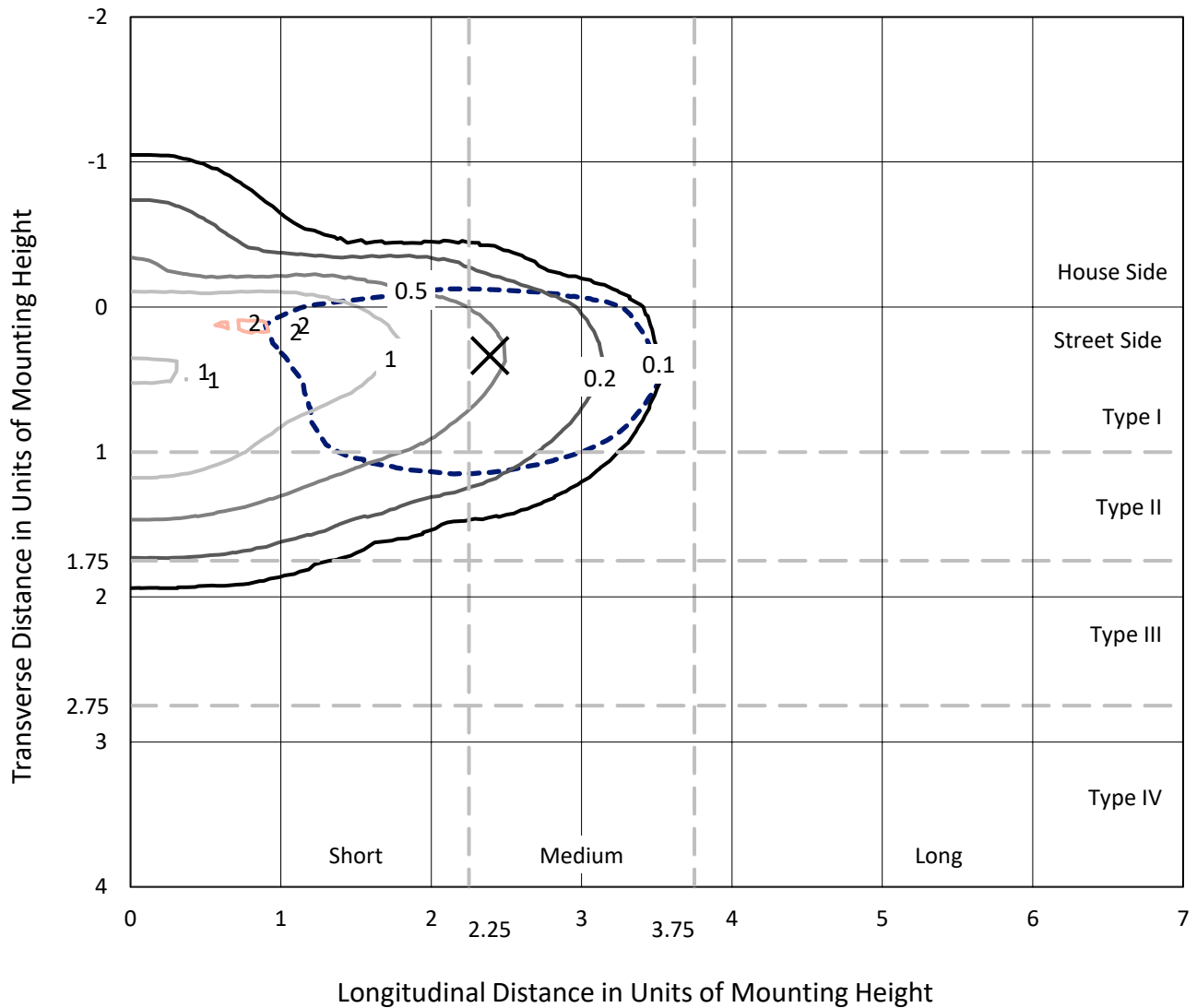
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

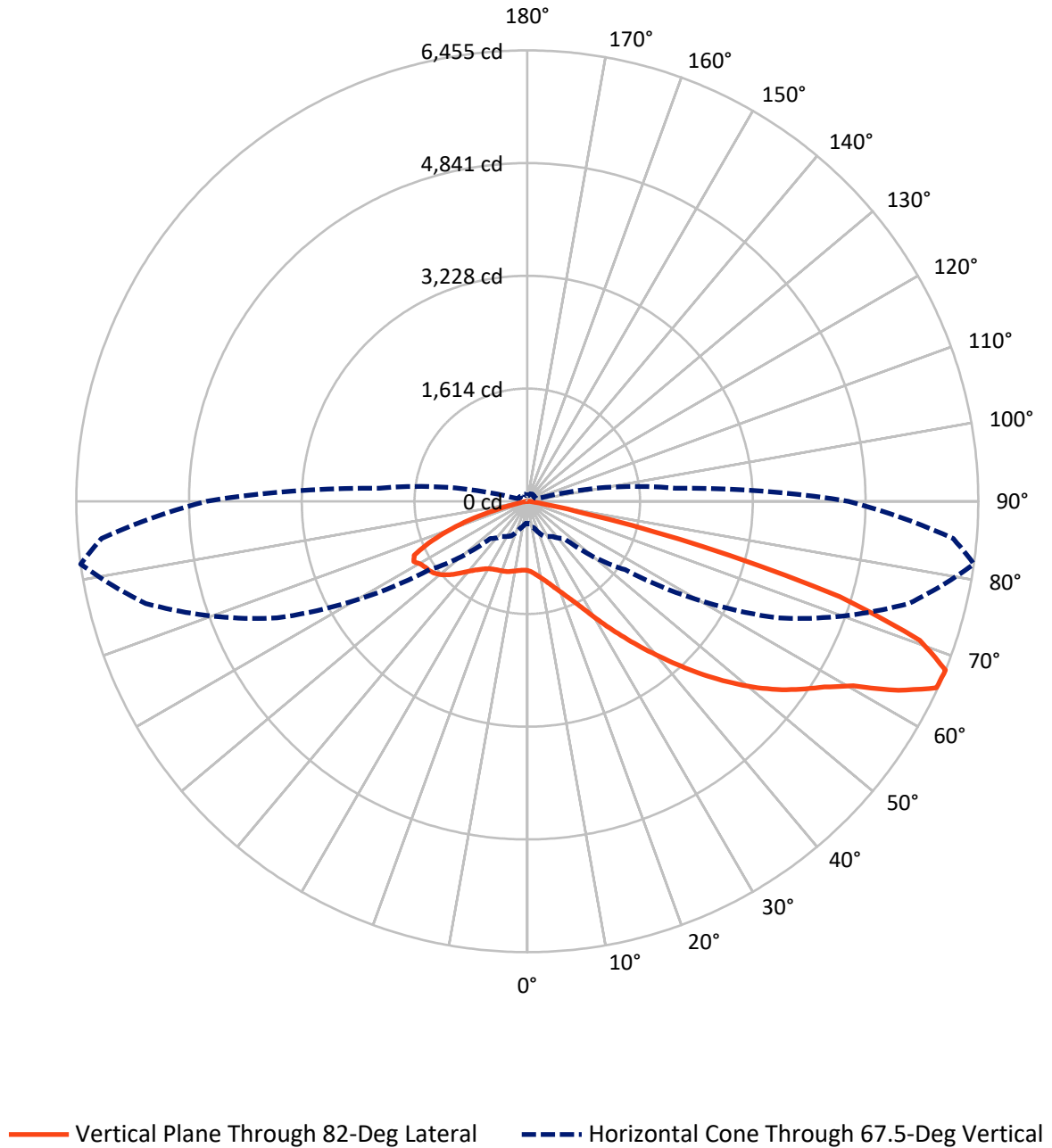
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1083.6	0.0	1083.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	4898.4	0.0	4898.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	5982.0	0.0	5982.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	1.5
10°-20°	229.4	3.8
20°-30°	367.5	6.1
30°-40°	649.8	10.9
40°-50°	1138.6	19.0
50°-60°	1518.5	25.4
60°-70°	1413.7	23.6
70°-80°	542.6	9.1
80°-90°	33.7	0.6
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°	5982.0	100.0
0°-180°	5982.0	100.0

Coefficient of Utilization



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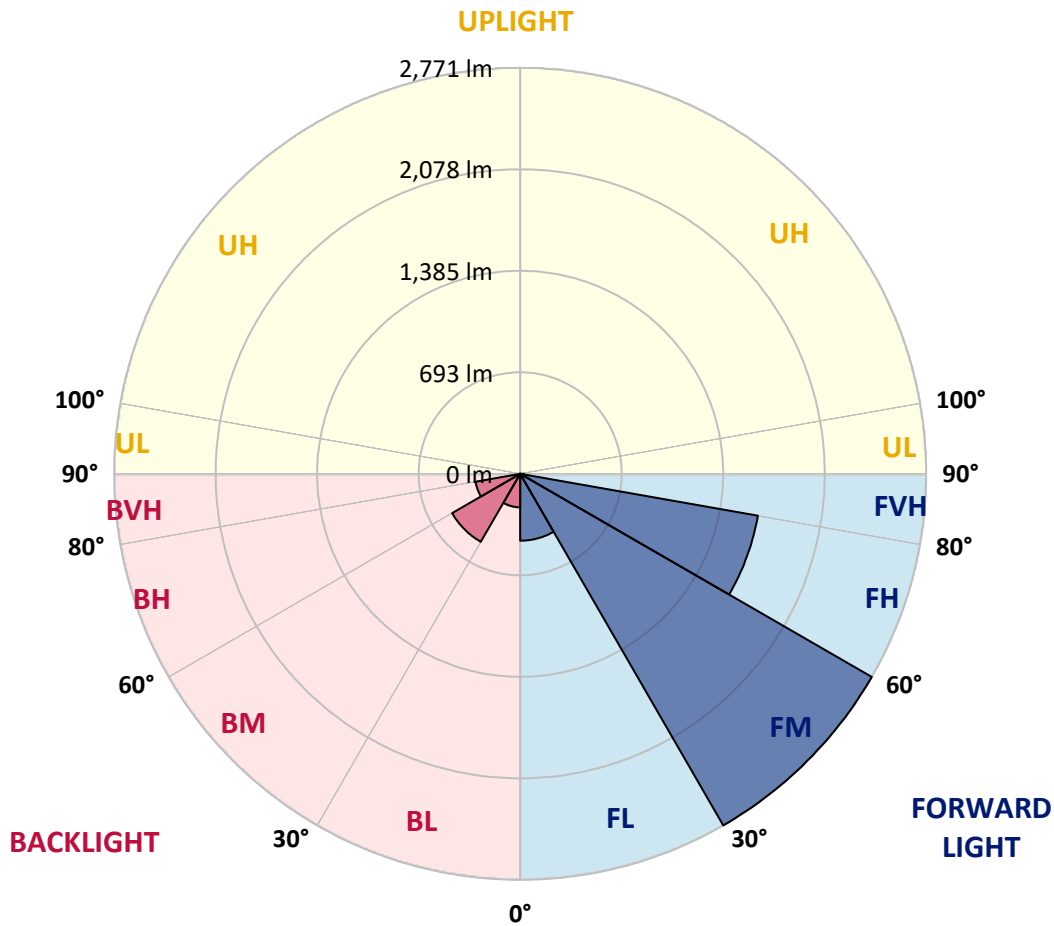
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	456.4	7.6			
FM (30°-60°)	2770.6	46.3			
FH (60°-80°)	1646.9	27.5			G1/1800
FVH (80°-90°)	24.5	0.4			G1/100
BL (0°-30°)	228.9	3.8	B1/500		
BM (30°-60°)	536.3	9.0	B1/1000		
BH (60°-80°)	309.3	5.2	B1/500		G1/500
BVH (80°-90°)	9.2	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	991.0	991.0	991.0	991.0	991.0	991.0	991.0	991.0	991.0	991.0
2.5°	1047.4	1053.5	1050.0	1048.3	1045.3	1041.0	1037.5	1026.8	1015.6	1008.2
5°	1068.5	1074.6	1074.1	1075.9	1078.0	1079.3	1078.4	1066.4	1050.5	1038.0
7.5°	1050.5	1057.3	1062.9	1071.6	1086.6	1102.6	1110.3	1107.7	1091.4	1074.1
10°	999.2	1006.5	1019.9	1040.1	1072.0	1106.4	1135.3	1148.6	1138.3	1119.4
12.5°	905.3	912.6	938.9	982.8	1036.2	1096.1	1151.2	1187.0	1189.6	1170.6
15°	799.8	807.1	835.1	890.2	971.6	1067.7	1159.8	1227.5	1250.3	1233.9
17.5°	734.3	740.8	761.9	806.2	891.1	1010.8	1156.8	1270.5	1322.6	1309.7
20°	714.5	720.1	730.0	761.0	831.7	951.8	1137.0	1311.0	1400.6	1393.3
22.5°	735.6	740.8	743.8	757.6	801.9	913.1	1112.0	1352.4	1491.0	1491.9
25°	784.3	789.5	786.0	794.6	814.0	901.0	1102.6	1401.0	1604.7	1614.2
27.5°	864.4	864.8	856.6	856.2	859.2	919.1	1112.5	1453.1	1748.2	1765.8
30°	1025.0	1018.6	987.1	953.1	937.6	973.4	1140.0	1514.7	1917.4	1948.9
32.5°	1272.7	1263.2	1205.5	1124.1	1042.3	1060.8	1189.6	1584.9	2101.8	2158.6
35°	1541.4	1538.9	1478.6	1357.5	1214.5	1185.3	1270.1	1677.1	2302.9	2393.3
37.5°	1791.2	1789.9	1755.5	1612.9	1438.9	1358.8	1399.3	1797.7	2518.2	2649.2
40°	2019.5	2023.4	1988.9	1861.4	1686.1	1581.5	1575.0	1946.7	2757.7	2927.8
42.5°	2216.8	2221.1	2186.2	2091.9	1930.3	1827.8	1790.8	2129.3	2991.6	3227.2
45°	2350.7	2377.4	2372.2	2296.9	2181.0	2074.6	2050.1	2358.5	3258.2	3544.6
47.5°	2388.6	2413.1	2451.9	2462.2	2391.6	2287.0	2316.2	2634.5	3527.8	3862.4
50°	2295.1	2318.0	2398.5	2505.7	2554.8	2522.5	2575.1	2930.4	3803.8	4179.4
52.5°	2110.8	2134.1	2235.7	2405.4	2605.7	2707.3	2834.8	3222.0	4071.3	4479.6
55°	1844.2	1868.8	1999.3	2191.3	2508.8	2783.5	3051.4	3513.1	4316.4	4749.6
57.5°	1481.6	1499.7	1635.3	1904.1	2265.0	2707.7	3211.2	3831.0	4547.2	5014.9
60°	965.6	981.5	1139.2	1438.9	1861.0	2454.5	3243.1	4185.4	4853.9	5359.9
62.5°	642.2	652.9	746.4	966.5	1310.6	1968.2	3056.6	4468.4	5303.5	5960.3
65°	440.6	451.4	544.8	698.1	846.7	1302.0	2520.4	4430.9	5710.9	6437.1
67.5°	314.4	323.4	402.7	547.4	612.9	756.3	1708.5	3952.0	5652.4	6455.2
70°	225.3	230.4	295.9	426.4	487.1	454.4	950.1	3022.6	4949.0	5960.7
72.5°	157.6	159.4	205.4	324.7	392.4	331.6	452.2	2015.2	3743.1	4678.6
75°	106.8	109.0	138.3	238.2	314.8	253.2	239.5	1080.6	2197.4	2589.7
77.5°	65.5	66.3	89.2	162.8	235.6	192.9	154.2	457.8	850.2	834.7
80°	37.0	37.0	56.9	101.2	160.6	124.5	108.1	194.7	269.2	236.4
82.5°	20.7	21.1	41.3	62.9	106.4	73.6	59.4	90.0	116.3	102.9
85°	8.6	9.5	25.4	29.7	50.8	36.6	24.1	37.9	43.1	38.3
87.5°	0.9	1.3	7.8	5.6	6.0	7.3	3.4	7.3	6.0	6.0
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°
991.0	0°	991.0	991.0	991.0	991.0	991.0	991.0	991.0	991.0	991.0	991.0
1005.7	2.5°	997.5	991.0	974.6	955.7	930.7	918.7	902.3	891.1	881.6	882.5
1030.6	5°	1016.9	1000.5	963.9	918.2	861.4	820.9	777.8	748.1	724.0	718.8
1065.1	7.5°	1043.6	1017.7	953.5	871.3	775.2	702.5	637.4	595.6	565.9	556.4
1106.9	10°	1078.0	1040.5	940.2	812.3	674.0	581.4	511.7	478.9	458.7	451.8
1156.0	12.5°	1118.1	1066.8	922.5	740.4	569.8	480.6	436.3	419.9	413.5	411.3
1216.3	15°	1168.5	1099.5	895.8	655.1	481.5	419.1	400.1	398.0	398.8	398.0
1288.6	17.5°	1228.3	1135.3	852.3	567.2	422.1	387.6	380.7	382.5	384.6	384.2
1369.6	20°	1293.8	1170.6	796.8	489.3	381.6	365.2	361.3	363.1	364.8	363.9
1463.0	22.5°	1368.3	1208.5	735.2	428.5	354.5	344.6	340.2	340.7	340.7	339.0
1581.5	25°	1457.5	1250.3	670.6	385.5	333.8	326.0	320.9	319.1	316.6	311.4
1725.3	27.5°	1563.8	1294.7	608.6	355.3	317.4	310.1	304.1	299.8	293.3	284.7
1898.0	30°	1683.6	1348.5	556.0	336.4	304.5	297.2	290.3	283.8	274.3	263.6
2096.6	32.5°	1824.4	1406.2	517.7	323.9	292.9	285.1	276.9	269.2	258.8	248.1
2319.7	35°	1992.4	1476.0	495.3	315.3	283.8	273.5	264.4	255.8	248.1	238.6
2562.2	37.5°	2174.5	1550.0	488.4	311.0	277.8	261.9	251.5	245.5	244.6	239.0
2824.5	40°	2374.0	1637.9	493.6	308.4	271.3	250.7	239.5	238.2	240.3	230.4
3104.8	42.5°	2585.0	1742.1	502.2	305.4	262.3	239.5	228.7	228.7	227.0	213.2
3401.1	45°	2813.3	1862.3	510.8	298.0	251.5	228.3	220.1	217.1	209.7	196.4
3699.2	47.5°	3043.2	1984.6	517.3	284.7	238.6	218.8	211.5	204.6	193.8	181.8
3991.6	50°	3261.6	2094.4	510.4	264.9	224.0	209.7	202.0	192.5	180.9	172.7
4268.6	52.5°	3456.7	2189.6	481.1	241.6	208.5	200.3	193.4	183.5	174.0	165.4
4518.4	55°	3626.4	2266.7	429.4	219.7	194.7	192.1	185.2	172.7	159.8	152.5
4766.0	57.5°	3789.2	2325.3	364.8	201.6	182.2	183.0	172.7	161.5	149.4	141.7
5099.8	60°	4005.8	2403.7	299.3	184.8	168.8	171.4	160.2	152.0	137.0	127.1
5672.2	62.5°	4352.1	2525.6	237.7	164.1	153.3	154.2	149.4	139.5	121.5	109.8
6096.4	65°	4626.9	2480.8	187.3	141.7	135.7	137.0	137.0	126.2	106.8	93.5
6119.2	67.5°	4595.9	2124.2	149.4	119.7	118.9	119.7	122.7	113.7	94.8	84.0
5653.2	70°	4233.7	1689.6	119.7	99.5	103.4	101.2	109.8	103.8	85.3	74.5
4382.7	72.5°	3454.6	1217.1	91.3	82.3	79.2	82.7	99.1	93.5	71.1	59.0
2321.4	75°	2018.6	649.5	68.0	65.0	57.3	68.9	87.9	79.7	54.3	43.5
711.5	77.5°	657.2	226.5	50.0	47.8	42.6	55.6	74.9	67.2	44.4	34.5
208.5	80°	176.2	68.5	34.0	31.4	27.6	41.3	59.4	53.4	31.9	22.4
89.6	82.5°	70.6	28.9	19.8	17.7	15.1	28.4	46.9	43.1	23.7	14.2
28.0	85°	22.8	9.5	7.3	5.6	6.9	17.7	28.0	29.3	16.8	7.3
4.3	87.5°	3.0	1.3	1.3	1.7	1.3	3.0	8.6	8.2	4.7	0.9
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>
991.0
873.9
707.2
547.0
446.6
410.0
397.5
383.3
363.5
338.1
310.5
283.8
262.7
248.5
237.7
238.6
230.8
213.2
196.0
181.3
171.4
164.5
151.6
140.8
125.8
109.0
92.2
82.3
73.2
57.7
42.2
33.2
22.0
14.2
5.6
0.0
0.0

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