

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: P940367

Luminaire Tested: **GALN-SB3B-927-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940367
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-SB3B-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10291 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

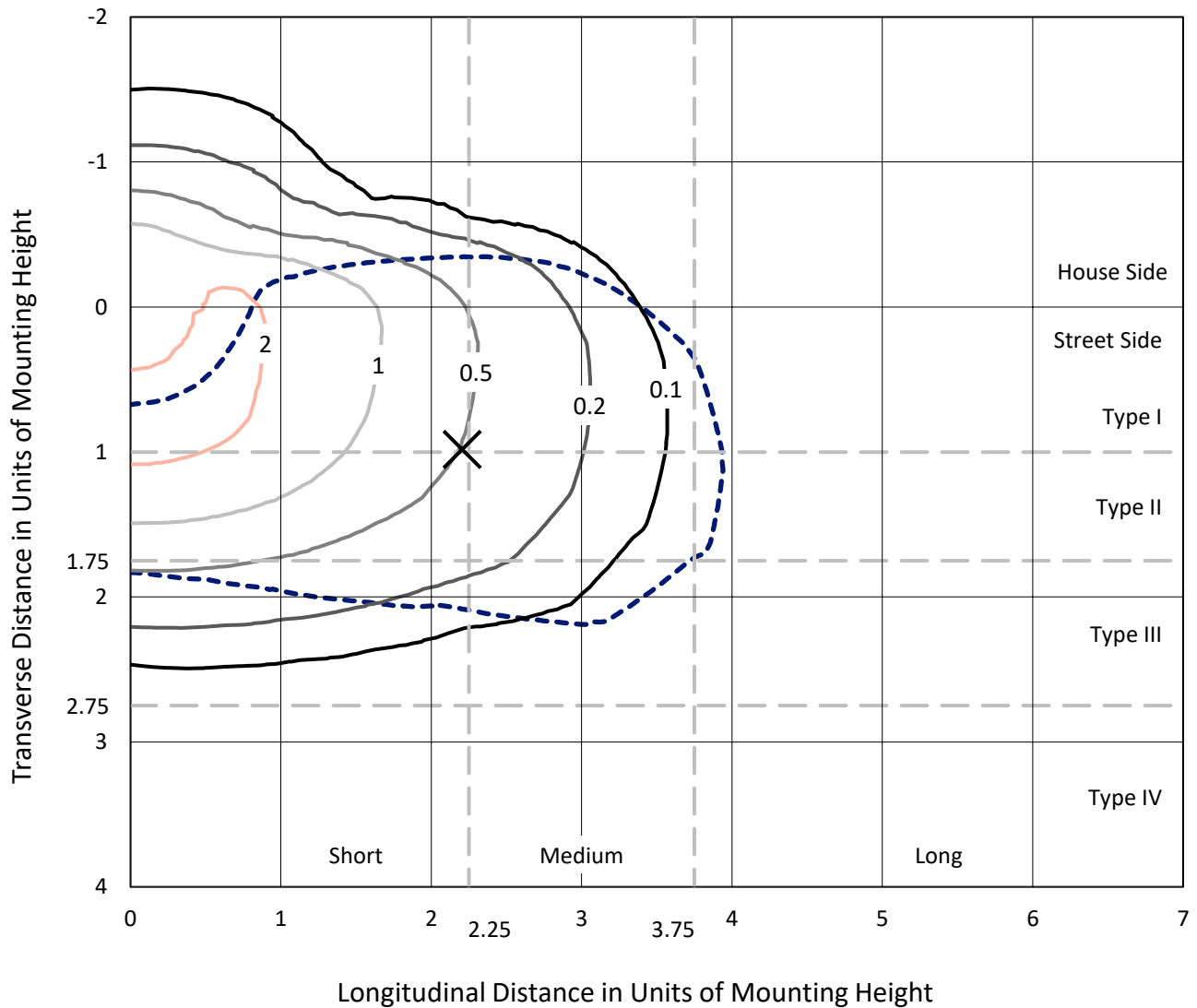
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

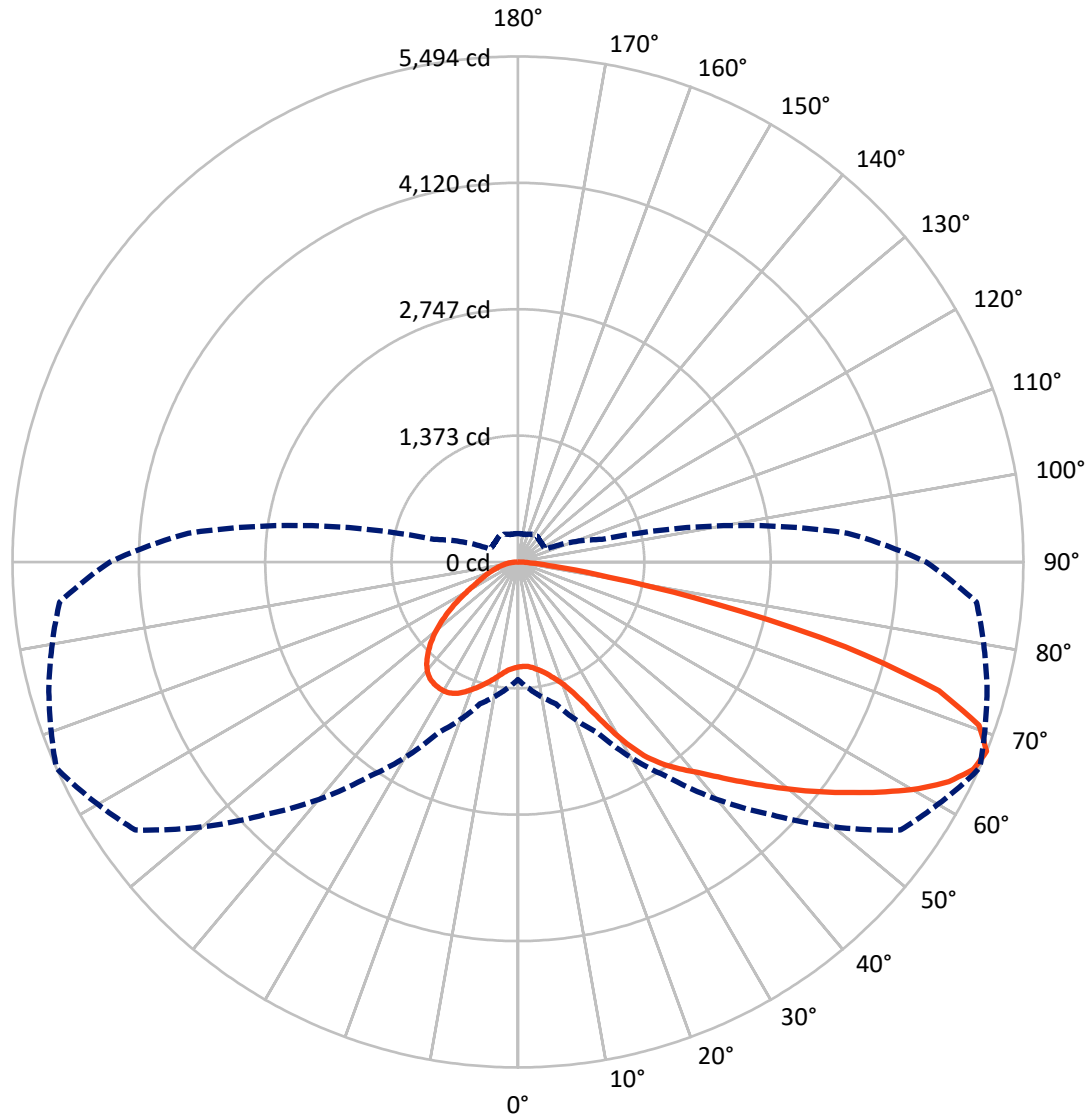
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	2558.8	0.0	2558.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	7732.2	0.0	7732.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	10291.0	0.0	10291.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	1.1
10°-20°	373.9	3.6
20°-30°	720.6	7.0
30°-40°	1263.6	12.3
40°-50°	1878.5	18.3
50°-60°	2381.2	23.1
60°-70°	2329.9	22.6
70°-80°	1111.4	10.8
80°-90°	118.8	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°	10291.0	100.0
0°-180°	10291.0	100.0

Coefficient of Utilization



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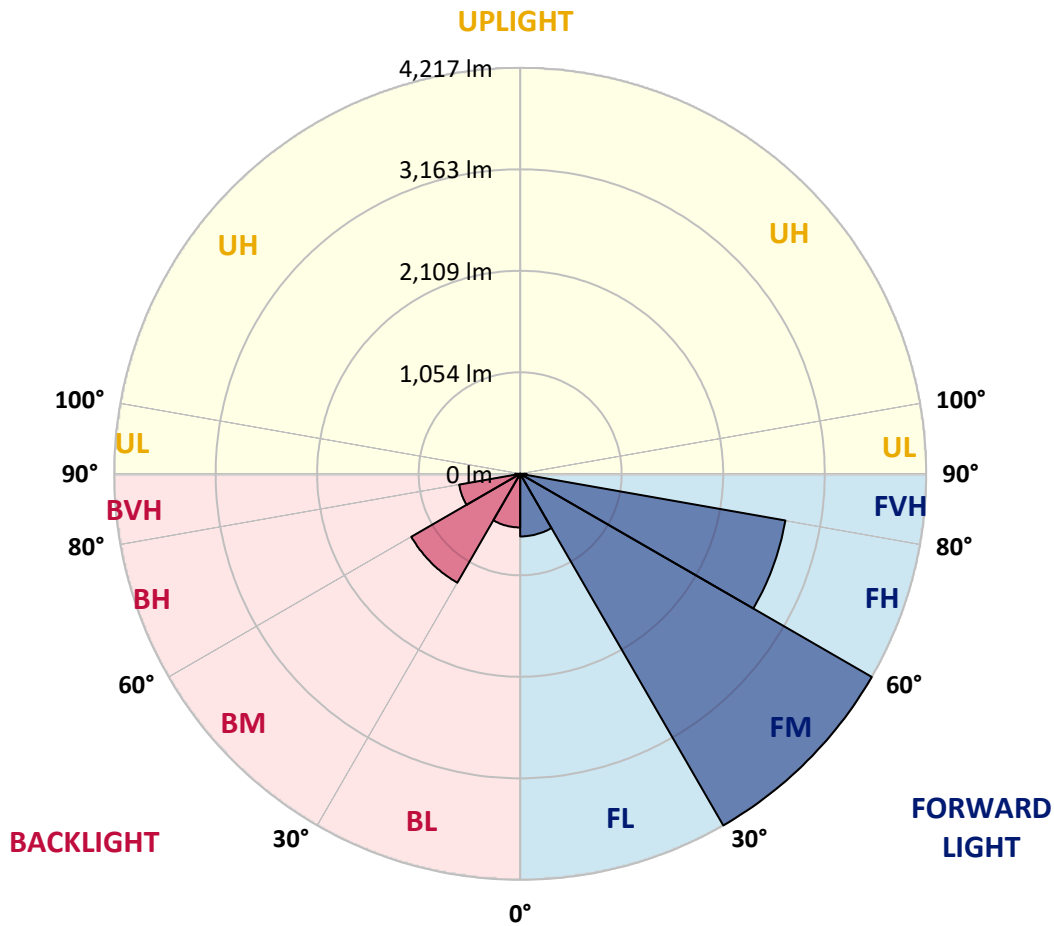
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	650.3	6.3			
FM (30°-60°)	4217.2	41.0			
FH (60°-80°)	2797.4	27.2			G2/5000
FVH (80°-90°)	67.3	0.7			G1/100
BL (0°-30°)	557.4	5.4	B2/1000		
BM (30°-60°)	1306.1	12.7	B2/2500		
BH (60°-80°)	643.9	6.3	B2/1000		G2/1000
BVH (80°-90°)	51.4	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°	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4
2.5°	1129.5	1136.0	1134.4	1131.7	1131.1	1132.2	1133.8	1135.5	1134.9	1137.6
5°	1126.3	1132.8	1132.2	1132.2	1134.4	1138.7	1141.4	1144.1	1141.4	1144.7
7.5°	1128.4	1133.3	1135.5	1137.6	1143.0	1151.1	1157.6	1163.6	1160.3	1164.1
10°	1156.0	1159.8	1162.0	1162.0	1165.7	1174.9	1181.4	1192.2	1189.5	1195.5
12.5°	1206.3	1210.1	1210.1	1207.9	1210.6	1216.6	1218.7	1230.6	1225.8	1235.5
15°	1267.9	1275.5	1269.6	1265.8	1266.8	1272.8	1272.3	1281.4	1276.6	1284.7
17.5°	1336.1	1345.8	1336.1	1335.5	1333.4	1339.8	1340.4	1348.5	1339.8	1345.8
20°	1416.6	1430.1	1422.0	1424.7	1419.9	1422.6	1425.3	1437.2	1423.7	1428.0
22.5°	1530.2	1546.4	1537.7	1548.0	1544.8	1542.6	1542.1	1563.2	1542.1	1543.7
25°	1695.6	1715.1	1699.9	1714.0	1714.0	1721.0	1729.1	1756.2	1721.0	1710.8
27.5°	1940.0	1959.5	1929.7	1938.4	1935.7	1953.0	1944.3	2011.4	1973.5	1956.8
30°	2234.2	2268.8	2212.5	2210.4	2207.7	2235.2	2247.7	2292.0	2253.6	2236.9
32.5°	2552.1	2588.3	2521.3	2501.8	2491.5	2508.3	2498.0	2533.7	2507.2	2481.3
35°	2888.4	2924.1	2860.3	2822.4	2781.3	2746.2	2709.4	2718.6	2693.7	2654.3
37.5°	3206.3	3271.7	3204.2	3163.6	3087.9	3019.2	2916.5	2873.8	2850.5	2814.3
40°	3530.2	3567.5	3516.1	3481.5	3399.4	3291.8	3127.4	3037.1	3005.7	2970.6
42.5°	3768.6	3804.3	3776.8	3753.0	3688.6	3563.7	3351.2	3238.2	3192.8	3153.3
45°	3957.9	3984.4	3967.1	3975.7	3948.2	3827.0	3583.2	3454.0	3406.9	3358.8
47.5°	4034.1	4062.2	4089.8	4141.2	4188.2	4099.0	3832.4	3687.5	3637.8	3588.6
50°	4025.5	4054.1	4134.2	4243.4	4389.4	4359.6	4095.2	3936.3	3890.3	3834.1
52.5°	3956.3	3988.7	4091.4	4273.1	4505.6	4554.8	4362.9	4193.1	4149.8	4082.8
55°	3774.6	3794.1	3948.2	4205.5	4533.2	4691.1	4625.1	4466.7	4423.4	4329.9
57.5°	3437.7	3465.9	3690.2	4023.3	4464.0	4783.5	4855.4	4754.3	4712.7	4578.1
60°	2998.2	3043.0	3299.9	3717.3	4287.7	4783.0	5064.7	5037.1	5002.5	4822.5
62.5°	2500.7	2552.6	2799.7	3284.7	3979.5	4647.3	5195.5	5273.9	5256.1	5047.9
65°	1920.5	1956.2	2202.3	2725.1	3499.9	4355.8	5210.7	5435.6	5438.9	5219.3
67.5°	1278.7	1381.5	1595.1	2044.9	2857.6	3879.5	5077.7	5462.1	5493.5	5278.3
70°	624.0	759.1	968.4	1329.0	2044.9	3149.0	4730.0	5244.7	5314.5	5106.3
72.5°	259.0	302.8	416.9	655.9	1173.8	2124.9	4031.4	4655.4	4784.6	4524.5
75°	174.6	189.2	238.4	336.3	534.7	1047.9	2907.3	3471.3	3679.4	3417.2
77.5°	134.6	143.8	173.6	235.2	317.9	396.3	1556.1	2092.0	2199.5	2036.3
80°	106.0	113.0	129.8	171.4	225.5	212.0	530.4	947.8	1010.0	847.3
82.5°	91.9	94.6	93.0	116.2	149.8	123.8	174.1	349.8	386.1	280.1
85°	66.5	74.1	77.3	71.9	79.5	62.7	71.4	123.8	136.3	121.7
87.5°	27.0	40.0	49.2	46.5	29.2	17.8	22.2	36.2	41.6	45.4
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°
1141.4	0°	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4	1141.4
1141.9	2.5°	1142.5	1146.3	1149.0	1152.2	1154.4	1157.6	1164.1	1167.9	1168.4	1171.1
1150.6	5°	1152.8	1158.2	1164.1	1172.8	1182.5	1190.6	1203.0	1211.7	1214.9	1217.6
1171.7	7.5°	1174.9	1182.5	1193.3	1208.5	1222.5	1233.3	1248.5	1258.7	1269.0	1272.8
1205.2	10°	1207.9	1218.7	1234.4	1255.0	1270.1	1284.2	1299.8	1308.5	1318.8	1323.1
1245.2	12.5°	1249.0	1260.4	1280.9	1309.6	1323.6	1333.4	1338.8	1336.6	1338.8	1342.5
1293.3	15°	1296.0	1308.5	1331.7	1362.6	1372.3	1363.6	1351.7	1340.9	1339.3	1340.4
1351.7	17.5°	1351.7	1360.9	1388.0	1413.9	1406.9	1371.2	1345.3	1327.9	1319.3	1316.6
1426.4	20°	1429.6	1429.6	1451.8	1468.0	1420.9	1360.4	1319.8	1291.7	1273.9	1266.3
1528.0	22.5°	1524.2	1515.6	1529.6	1518.3	1418.2	1330.1	1273.9	1225.2	1198.2	1187.4
1670.2	25°	1644.3	1634.0	1630.2	1559.9	1398.8	1282.0	1190.6	1131.7	1107.9	1101.9
1875.1	27.5°	1825.4	1799.4	1750.2	1582.6	1363.1	1206.3	1093.3	1038.7	1025.2	1025.7
2138.5	30°	2066.5	2014.6	1894.1	1586.4	1304.7	1099.2	993.8	954.9	948.4	951.1
2359.6	32.5°	2289.8	2240.6	2041.1	1569.1	1214.9	994.3	904.6	878.6	868.9	872.1
2528.3	35°	2465.0	2451.5	2177.4	1544.8	1104.6	895.9	824.6	802.4	783.5	779.1
2687.3	37.5°	2630.5	2625.1	2279.6	1510.7	995.4	826.2	760.2	731.0	703.4	688.3
2863.0	40°	2812.2	2806.7	2346.6	1458.3	898.6	765.6	702.4	664.0	629.9	602.3
3062.0	42.5°	3016.5	2984.6	2378.5	1383.1	816.4	714.3	655.3	603.4	558.5	533.1
3286.9	45°	3239.8	3167.9	2378.0	1287.4	747.2	667.2	605.0	531.5	489.9	466.1
3517.8	47.5°	3476.7	3343.1	2348.8	1181.4	680.2	615.3	527.2	470.9	443.4	428.8
3768.6	50°	3721.1	3507.0	2299.0	1059.8	611.5	556.4	478.5	440.1	419.0	405.5
4017.4	52.5°	3950.9	3655.6	2239.0	921.9	541.8	499.1	456.9	427.1	405.0	389.8
4258.5	55°	4164.4	3783.8	2154.1	780.8	485.0	460.7	446.6	421.7	396.3	378.5
4503.5	57.5°	4354.2	3867.1	2007.6	648.3	444.5	434.2	435.8	412.6	383.4	368.2
4744.6	60°	4512.1	3928.2	1790.8	525.6	411.5	408.2	419.0	395.2	361.2	343.9
4948.4	62.5°	4606.7	3927.1	1524.8	430.4	383.4	384.4	396.9	373.6	339.0	322.8
5055.0	65°	4598.6	3830.8	1232.8	368.2	356.3	357.4	373.6	349.8	320.6	310.9
5001.4	67.5°	4435.9	3596.2	945.7	327.7	326.6	331.4	350.4	333.6	309.3	308.2
4682.4	70°	3995.2	3109.0	681.3	295.2	295.8	302.8	327.7	323.3	303.3	305.5
3936.8	72.5°	3203.6	2370.4	457.4	261.2	261.7	273.1	306.0	315.2	297.4	326.0
2793.2	75°	2133.6	1478.3	294.1	224.9	225.5	240.1	287.1	299.5	281.2	325.0
1453.4	77.5°	1025.2	664.5	213.0	189.2	189.2	202.8	248.2	268.2	239.5	252.5
467.2	80°	354.2	249.8	167.6	152.5	149.2	158.4	209.2	232.5	206.5	190.3
152.5	82.5°	139.5	129.8	134.6	118.4	107.6	113.5	162.7	191.9	151.9	137.3
86.0	85°	80.0	84.3	95.2	78.4	62.2	69.7	119.5	137.9	114.6	101.1
28.1	87.5°	21.6	29.7	43.8	40.6	28.1	29.7	56.8	76.2	66.0	50.8
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>
1141.4
1170.6
1217.1
1273.3
1325.2
1343.6
1344.2
1320.4
1264.7
1185.7
1103.0
1027.3
960.3
876.5
782.4
688.8
605.0
534.7
465.0
425.5
400.7
383.4
371.5
358.5
336.3
317.9
310.4
309.8
305.0
330.4
327.7
231.4
178.4
136.8
103.3
52.4
0.0

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