

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: P940365

Luminaire Tested: **GALN-SB3B-927-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940365  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
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-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10190 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

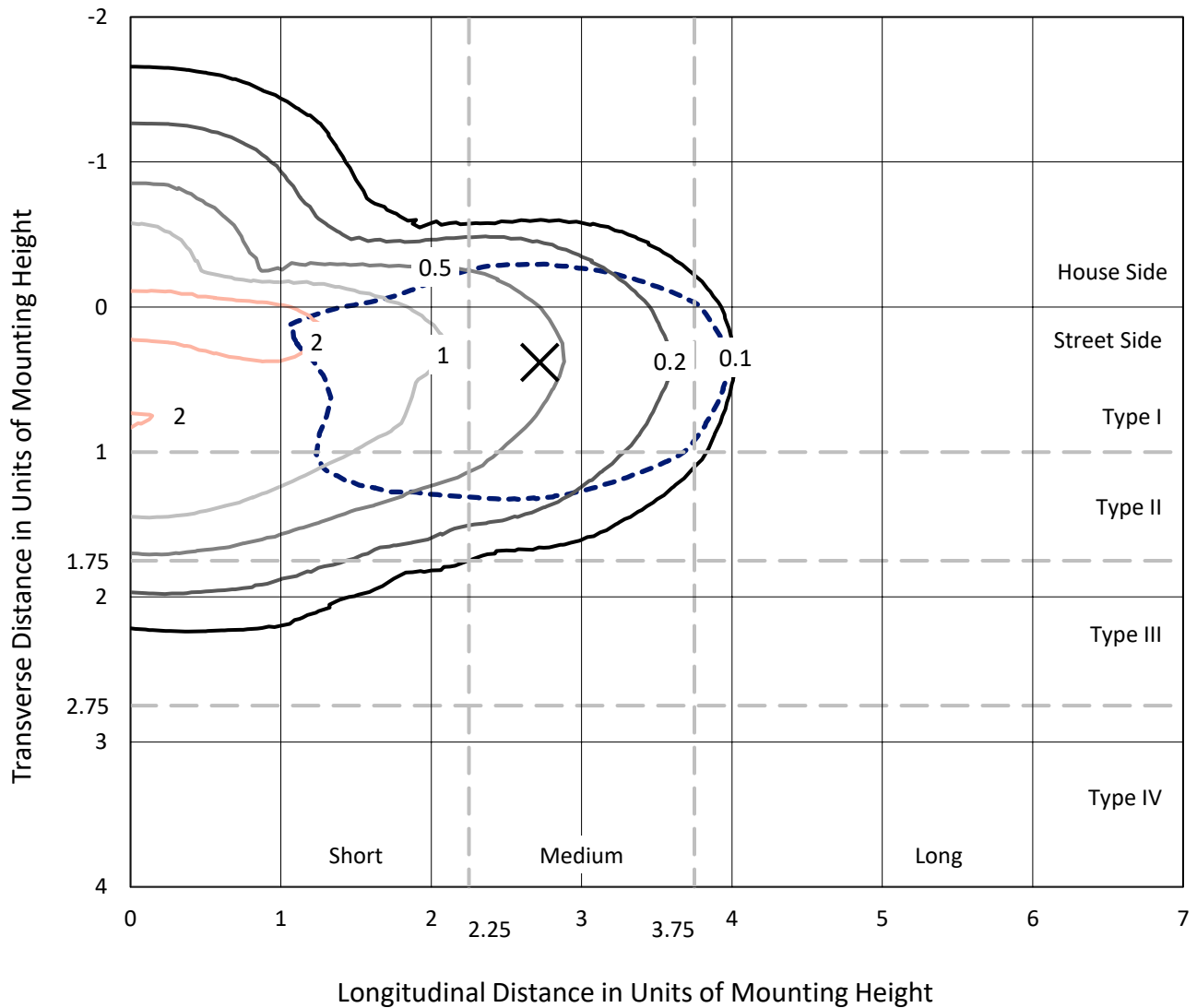
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

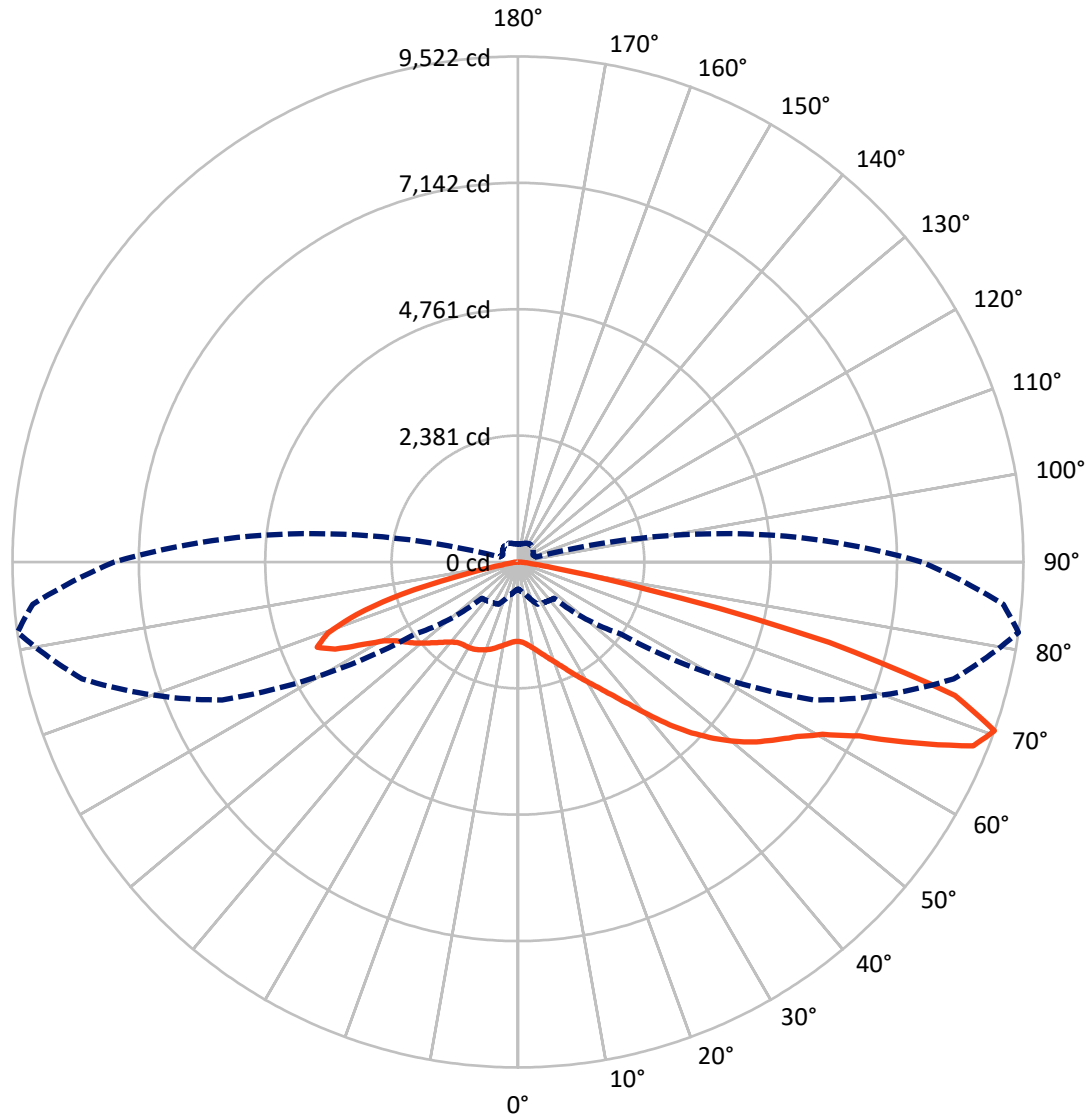
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2512.1	0.0	2512.1
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	7677.9	0.0	7677.9
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	10190.0	0.0	10190.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.1	1.4
10°-20°	405.3	4.0
20°-30°	678.0	6.7
30°-40°	1059.2	10.4
40°-50°	1686.8	16.6
50°-60°	2347.5	23.0
60°-70°	2455.5	24.1
70°-80°	1283.4	12.6
80°-90°	133.3	1.3
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°	10190.0	100.0
0°-180°	10190.0	100.0

**Coefficient of Utilization**



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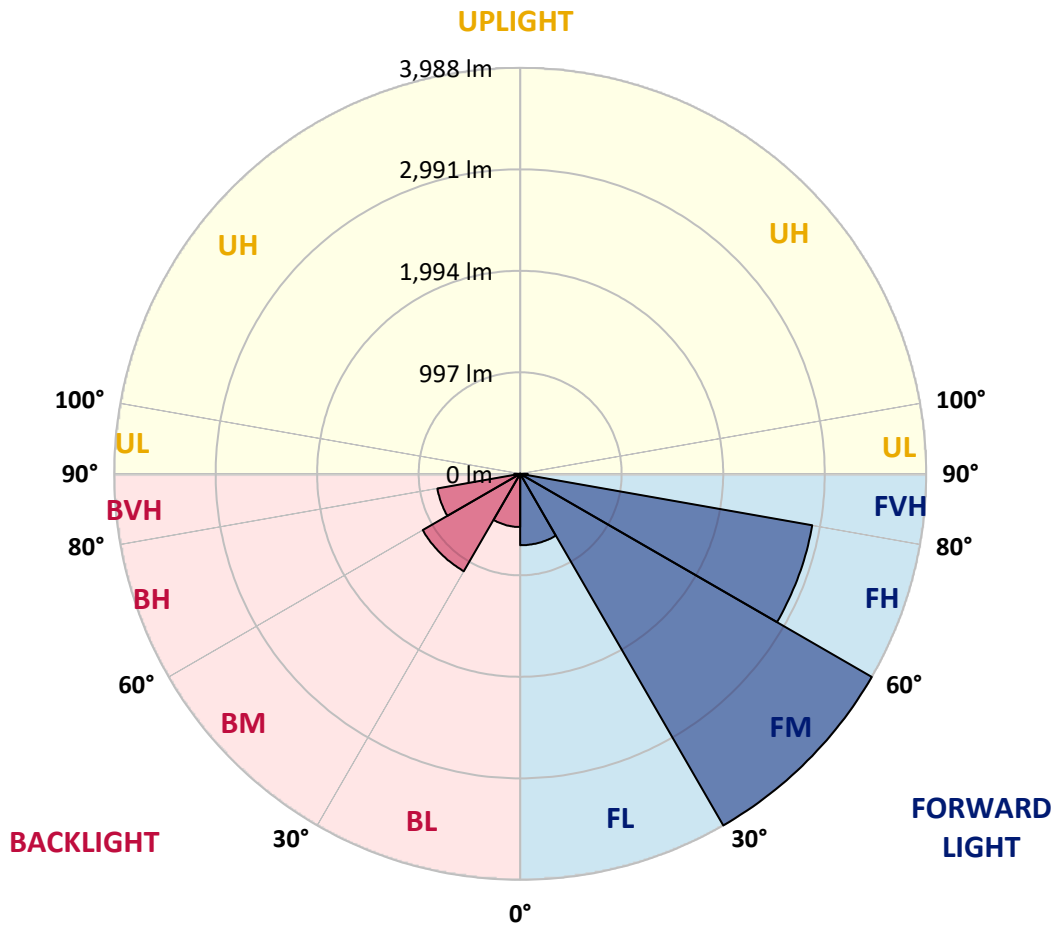
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	701.7	6.9			
FM (30°-60°)	3988.3	39.1			
FH (60°-80°)	2913.4	28.6			G2/5000
FVH (80°-90°)	74.6	0.7			G1/100
BL (0°-30°)	522.6	5.1	B2/1000		
BM (30°-60°)	1105.2	10.8	B2/2500		
BH (60°-80°)	825.6	8.1	B2/1000		G2/1000
BVH (80°-90°)	58.7	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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1494.0	1494.0	1494.0	1494.0	1494.0	1494.0	1494.0	1494.0	1494.0	1494.0
2.5°	1529.7	1538.3	1535.6	1532.9	1532.9	1529.1	1528.6	1523.2	1518.9	1511.8
5°	1549.1	1558.3	1557.2	1559.4	1566.4	1568.1	1569.7	1566.4	1557.8	1549.1
7.5°	1531.8	1542.1	1545.3	1558.3	1580.0	1599.4	1614.0	1620.0	1611.9	1599.4
10°	1473.4	1484.8	1496.1	1527.0	1565.4	1611.3	1650.2	1673.5	1671.9	1660.0
12.5°	1355.0	1366.9	1391.2	1451.3	1521.6	1602.7	1675.1	1723.8	1740.5	1731.9
15°	1260.4	1270.7	1289.1	1350.7	1442.1	1565.4	1684.3	1778.9	1821.7	1816.8
17.5°	1257.7	1262.0	1273.4	1302.6	1372.9	1507.0	1674.6	1833.0	1914.7	1914.1
20°	1305.3	1306.9	1313.4	1319.3	1359.3	1462.6	1649.7	1877.9	2019.0	2019.0
22.5°	1371.2	1370.2	1376.6	1371.2	1390.7	1458.8	1634.0	1917.4	2135.3	2143.9
25°	1470.2	1464.8	1463.2	1450.7	1454.5	1494.0	1651.3	1962.2	2273.1	2291.0
27.5°	1602.1	1593.5	1587.5	1558.9	1549.1	1566.4	1704.3	2016.3	2426.7	2457.5
30°	1774.1	1758.4	1749.7	1700.0	1664.8	1667.5	1784.3	2088.2	2587.3	2637.0
32.5°	2008.7	1984.4	1961.2	1879.5	1815.2	1794.1	1887.6	2187.7	2761.4	2840.9
35°	2271.5	2252.1	2227.2	2101.2	2002.2	1953.6	2027.1	2326.7	2965.3	3091.2
37.5°	2524.6	2507.8	2519.7	2349.9	2222.3	2151.5	2209.9	2513.2	3216.7	3402.7
40°	2786.3	2773.3	2774.9	2612.7	2464.0	2384.5	2431.6	2747.3	3504.9	3773.1
42.5°	3070.7	3061.0	3028.5	2884.7	2717.6	2643.5	2686.8	3017.7	3814.2	4194.8
45°	3389.2	3383.2	3352.9	3188.0	2996.6	2913.3	2971.7	3316.2	4125.1	4591.7
47.5°	3664.4	3669.3	3665.5	3526.5	3328.1	3205.9	3275.6	3627.6	4414.4	4964.8
50°	3796.9	3822.3	3859.6	3816.3	3693.0	3568.7	3582.2	3928.3	4690.1	5314.6
52.5°	3727.7	3775.8	3877.4	3946.6	3994.2	3968.3	3932.0	4226.7	4949.7	5630.4
55°	3469.7	3537.3	3706.0	3873.1	4115.9	4304.6	4352.2	4557.6	5202.7	5908.3
57.5°	2999.9	3109.6	3261.0	3599.0	4007.7	4467.3	4842.1	5016.7	5470.9	6205.2
60°	2194.2	2341.3	2529.4	3032.3	3629.2	4380.3	5258.9	5721.8	5852.1	6589.6
62.5°	1404.2	1495.1	1668.1	2141.8	2827.9	3934.2	5386.6	6603.1	6498.3	7220.1
65°	961.4	1019.8	1178.2	1444.2	1828.1	2928.5	5044.8	7263.9	7524.5	8219.3
67.5°	698.6	742.9	878.1	1111.2	1191.2	1733.0	3914.7	7233.6	8522.1	9248.8
70°	509.3	540.7	654.3	878.1	916.5	964.1	2371.6	6149.0	8500.5	9522.4
72.5°	377.4	399.0	475.3	681.3	741.9	651.0	1173.9	4469.0	7304.4	8613.0
75°	273.1	289.3	345.5	521.2	593.7	495.8	585.6	2611.6	5095.1	6058.7
77.5°	208.7	221.2	257.9	381.7	475.3	372.0	363.4	1201.5	2415.9	2427.8
80°	167.6	175.7	195.7	268.7	364.4	278.5	236.8	485.0	763.5	646.1
82.5°	123.3	136.8	165.5	188.7	260.6	192.0	144.4	244.9	290.4	249.8
85°	70.3	79.5	100.0	135.2	166.5	117.3	82.7	108.7	135.2	110.8
87.5°	24.9	32.4	35.1	53.0	72.5	48.7	31.9	31.4	44.3	33.0
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°
1494.0	0°	1494.0	1494.0	1494.0	1494.0	1494.0	1494.0	1494.0	1494.0	1494.0	1494.0
1510.2	2.5°	1504.8	1502.1	1491.3	1476.7	1461.5	1446.9	1442.1	1431.8	1424.8	1421.0
1545.3	5°	1535.1	1526.4	1501.0	1468.6	1434.5	1397.7	1371.8	1348.0	1330.7	1314.5
1593.5	7.5°	1578.3	1563.2	1519.4	1462.6	1402.1	1341.0	1295.5	1260.9	1237.7	1222.5
1649.7	10°	1628.6	1605.4	1538.3	1453.4	1359.9	1272.3	1218.8	1189.0	1174.4	1166.3
1714.1	12.5°	1686.5	1653.5	1557.8	1432.3	1295.5	1195.5	1158.7	1150.1	1150.6	1151.2
1795.2	15°	1757.8	1711.9	1573.5	1386.4	1211.7	1136.6	1130.1	1144.1	1158.7	1165.8
1887.1	17.5°	1838.4	1773.5	1576.2	1310.7	1129.5	1098.7	1119.3	1149.5	1171.7	1181.5
1989.8	20°	1924.9	1836.3	1556.7	1203.6	1062.0	1067.9	1104.7	1143.6	1167.9	1180.4
2107.1	22.5°	2023.9	1903.3	1510.2	1091.2	1006.8	1034.4	1077.6	1115.5	1140.9	1153.3
2245.0	25°	2136.9	1978.5	1437.2	996.5	959.2	996.5	1039.8	1071.1	1091.7	1103.0
2399.1	27.5°	2262.3	2056.9	1339.9	921.4	917.6	957.6	993.3	1017.6	1028.4	1037.1
2563.0	30°	2388.3	2128.2	1222.0	864.6	881.4	919.2	944.6	955.4	958.7	960.3
2745.7	32.5°	2524.6	2189.9	1098.2	817.6	846.8	881.9	897.0	901.9	886.8	876.5
2967.4	35°	2689.5	2255.8	977.1	780.2	812.7	843.0	847.8	843.5	825.7	804.6
3245.3	37.5°	2893.3	2338.0	880.3	753.7	780.8	800.8	794.8	793.8	795.4	770.5
3579.5	40°	3143.1	2445.1	809.4	733.2	754.8	759.2	742.4	751.6	759.7	721.8
3946.1	42.5°	3420.5	2574.3	764.6	719.1	733.2	722.9	697.0	707.2	706.2	656.4
4314.3	45°	3703.3	2714.9	748.9	708.9	713.2	692.6	664.0	666.7	644.0	599.1
4667.4	47.5°	3984.5	2865.8	758.6	700.2	688.3	665.1	642.9	631.0	597.5	564.0
5005.9	50°	4260.3	3024.2	794.3	682.9	654.3	640.7	624.5	603.4	567.7	539.1
5326.0	52.5°	4516.0	3183.7	834.3	654.3	611.5	619.7	609.4	585.0	549.9	520.7
5628.8	55°	4758.2	3343.2	850.0	614.8	571.5	601.3	595.3	550.4	508.3	484.5
5945.6	57.5°	5022.1	3535.2	832.7	564.5	539.1	580.2	557.5	507.7	483.4	465.6
6358.2	60°	5387.6	3836.3	795.4	502.3	508.3	548.8	509.9	489.3	462.8	442.8
6976.8	62.5°	5994.9	4398.1	735.4	440.7	472.0	502.3	487.2	466.6	439.6	420.1
8034.4	65°	6892.4	5178.9	622.4	392.6	431.5	456.9	462.8	442.3	414.2	393.6
8961.2	67.5°	7649.4	5668.8	471.0	352.5	389.9	420.1	436.9	416.9	387.1	367.1
9178.0	70°	7607.8	5313.0	359.6	313.1	353.1	383.9	405.5	389.9	357.9	339.0
8336.7	72.5°	6757.3	4444.6	290.9	273.1	315.8	346.1	372.0	360.1	327.7	309.3
6107.3	75°	4964.3	3155.0	232.5	232.5	269.3	306.6	335.2	327.7	297.9	285.0
2564.0	77.5°	2092.5	1323.7	182.2	193.0	223.9	263.3	299.0	301.7	275.8	292.0
678.1	80°	556.4	365.0	139.0	151.9	175.7	217.4	260.1	259.0	230.9	215.7
252.0	82.5°	212.0	143.8	98.9	107.1	127.1	166.5	206.0	212.5	184.4	159.5
98.9	85°	81.6	61.6	61.1	64.3	74.1	110.3	155.7	161.1	139.0	117.9
27.6	87.5°	21.1	18.4	22.7	21.6	34.1	58.9	89.2	92.5	84.9	49.2
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>
1494.0
1425.3
1321.0
1225.8
1168.5
1152.3
1165.2
1183.6
1183.6
1156.6
1106.3
1040.3
964.1
879.7
805.7
772.1
722.9
655.9
600.7
564.0
536.9
521.2
482.3
463.9
441.8
420.1
394.7
367.7
340.6
309.3
281.2
264.9
200.6
159.5
121.7
70.3
0.0

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