

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: P940195

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940195
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-SB3A-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8117 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

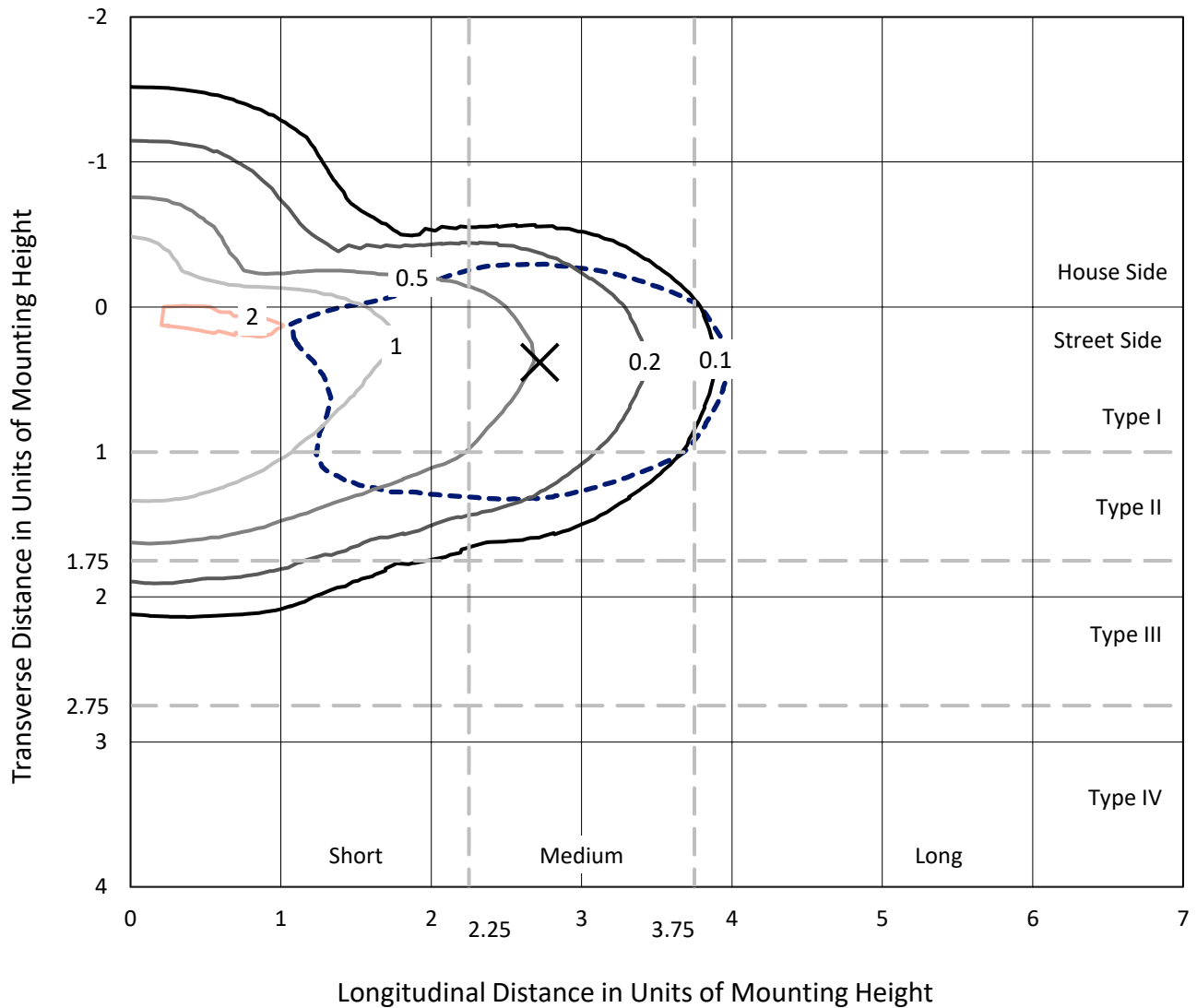
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940195
 CATALOG NUMBER: GALN-SB3A-927-U-T2

Iso-Footcandle Lines of Horizontal Illumination

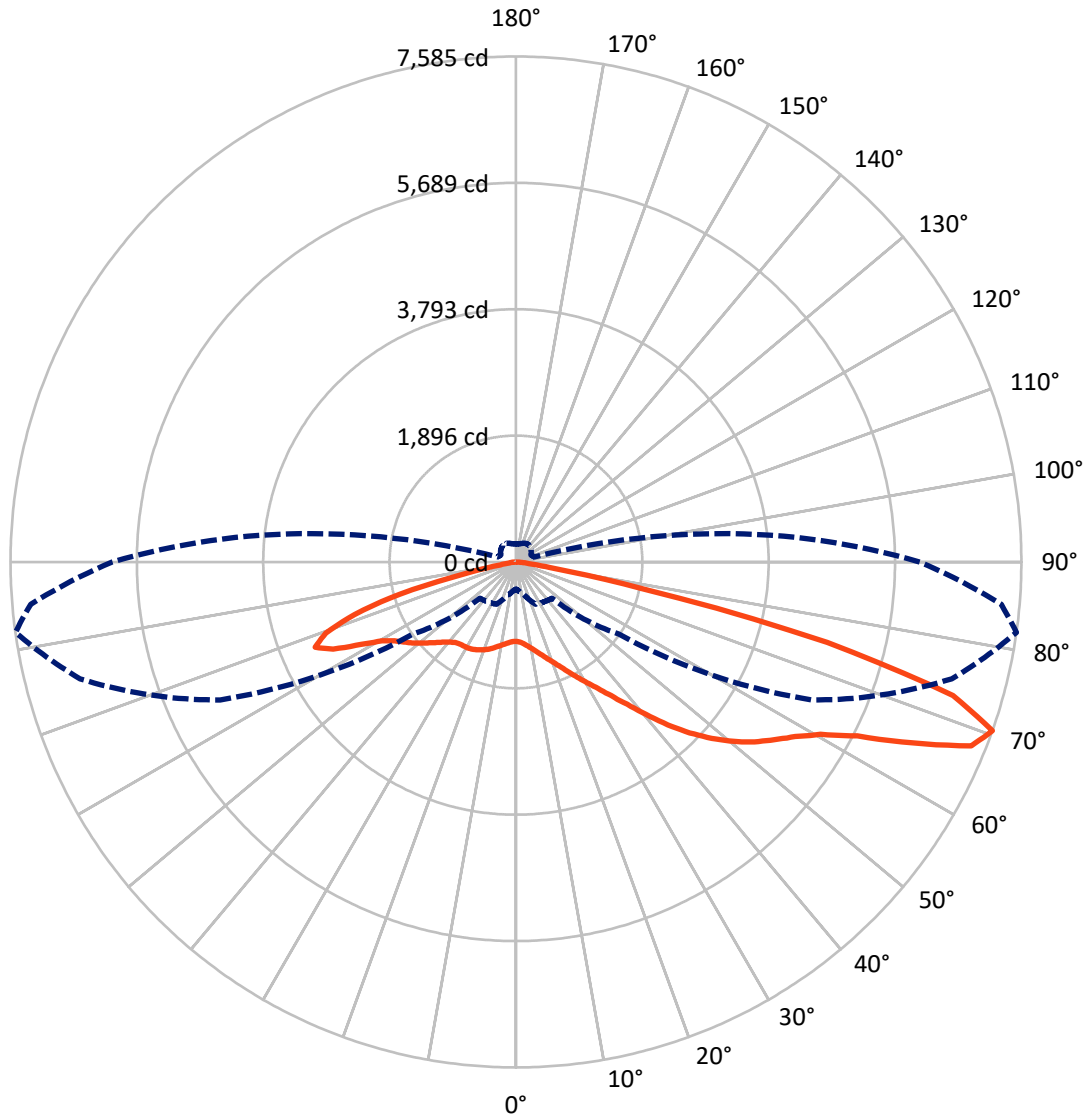
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P940195
CATALOG NUMBER: GALN-SB3A-927-U-T2

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
House Side	Lumens	2001.0	0.0	2001.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	6116.0	0.0	6116.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	8117.0	0.0	8117.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.4	1.4
10°-20°	322.8	4.0
20°-30°	540.1	6.7
30°-40°	843.7	10.4
40°-50°	1343.7	16.6
50°-60°	1869.9	23.0
60°-70°	1956.0	24.1
70°-80°	1022.3	12.6
80°-90°	106.2	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°	8117.0	100.0
0°-180°	8117.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940195

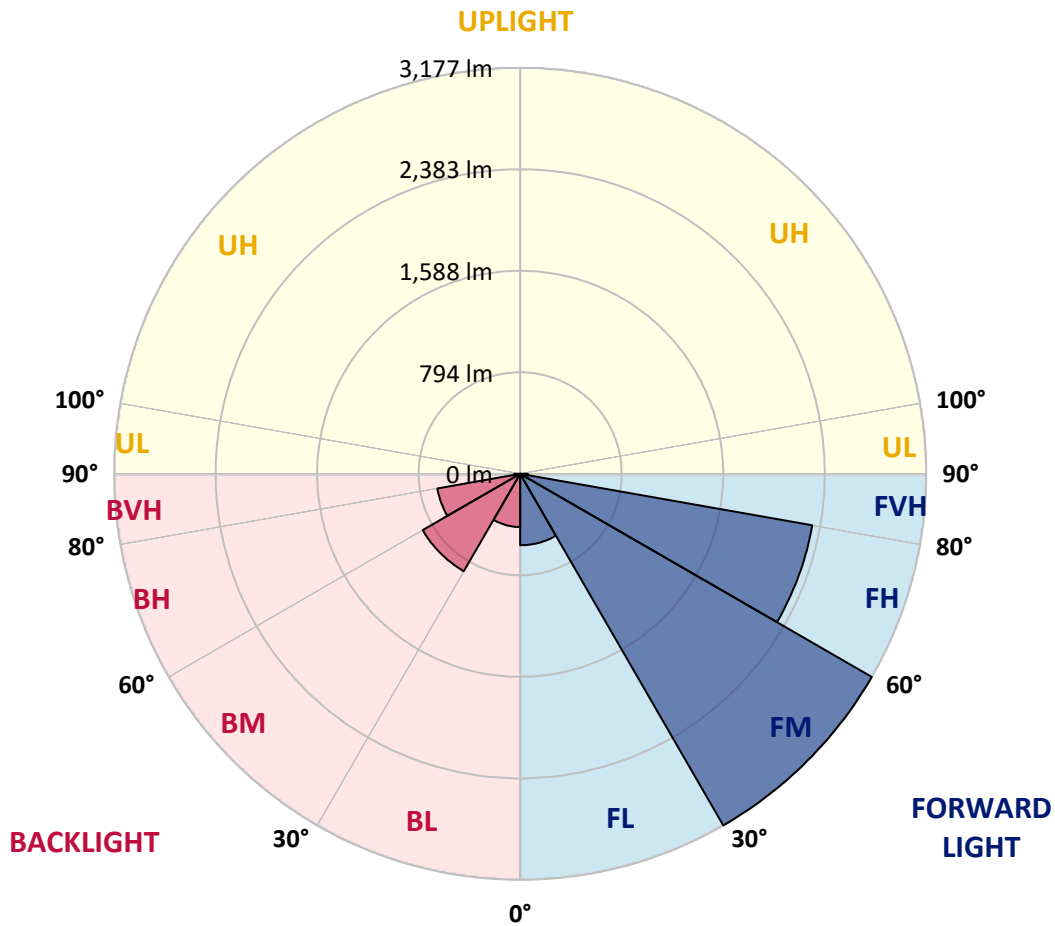
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.9	6.9			
FM (30°-60°)	3176.9	39.1			
FH (60°-80°)	2320.7	28.6			G2/5000
FVH (80°-90°)	59.4	0.7			G1/100
BL (0°-30°)	416.3	5.1	B1/500		
BM (30°-60°)	880.4	10.8	B1/1000		
BH (60°-80°)	657.6	8.1	B2/1000		G2/1000
BVH (80°-90°)	46.7	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



REPORT NUMBER: P940195
 CATALOG NUMBER: GALN-SB3A-927-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1190.1	1190.1	1190.1	1190.1	1190.1	1190.1	1190.1	1190.1	1190.1	1190.1
2.5°	1218.5	1225.4	1223.2	1221.1	1221.1	1218.0	1217.6	1213.3	1209.9	1204.3
5°	1234.0	1241.3	1240.4	1242.2	1247.8	1249.1	1250.4	1247.8	1240.9	1234.0
7.5°	1220.2	1228.4	1231.0	1241.3	1258.5	1274.0	1285.7	1290.4	1283.9	1274.0
10°	1173.7	1182.7	1191.8	1216.3	1246.9	1283.5	1314.5	1333.0	1331.8	1322.3
12.5°	1079.4	1088.8	1108.2	1156.0	1212.0	1276.6	1334.3	1373.1	1386.5	1379.6
15°	1004.0	1012.2	1026.8	1075.9	1148.7	1246.9	1341.7	1417.0	1451.1	1447.2
17.5°	1001.8	1005.3	1014.3	1037.6	1093.6	1200.4	1333.9	1460.1	1525.1	1524.7
20°	1039.7	1041.0	1046.2	1050.9	1082.8	1165.1	1314.1	1495.9	1608.3	1608.3
22.5°	1092.3	1091.4	1096.6	1092.3	1107.8	1162.1	1301.6	1527.3	1700.9	1707.8
25°	1171.1	1166.8	1165.5	1155.6	1158.6	1190.1	1315.4	1563.0	1810.7	1824.9
27.5°	1276.2	1269.3	1264.6	1241.7	1234.0	1247.8	1357.6	1606.1	1933.0	1957.6
30°	1413.2	1400.7	1393.8	1354.2	1326.2	1328.3	1421.3	1663.4	2061.0	2100.6
32.5°	1600.1	1580.7	1562.2	1497.2	1445.9	1429.1	1503.6	1742.7	2199.6	2263.0
35°	1809.4	1793.9	1774.1	1673.7	1594.9	1556.2	1614.7	1853.3	2362.0	2462.4
37.5°	2011.0	1997.6	2007.1	1871.9	1770.2	1713.8	1760.3	2001.9	2562.3	2710.5
40°	2219.5	2209.1	2210.4	2081.2	1962.7	1899.4	1936.9	2188.4	2791.9	3005.5
42.5°	2446.0	2438.3	2412.4	2297.8	2164.8	2105.7	2140.2	2403.8	3038.2	3341.5
45°	2699.7	2695.0	2670.8	2539.5	2387.0	2320.7	2367.2	2641.5	3285.9	3657.6
47.5°	2918.9	2922.8	2919.8	2809.1	2651.0	2553.7	2609.2	2889.6	3516.3	3954.8
50°	3024.5	3044.7	3074.4	3040.0	2941.8	2842.7	2853.5	3129.1	3736.0	4233.5
52.5°	2969.3	3007.7	3088.6	3143.8	3181.7	3161.0	3132.1	3366.9	3942.7	4485.0
55°	2763.9	2817.7	2952.1	3085.2	3278.6	3428.9	3466.8	3630.5	4144.3	4706.4
57.5°	2389.6	2477.0	2597.6	2866.8	3192.4	3558.5	3857.0	3996.1	4357.9	4942.8
60°	1747.8	1865.0	2014.9	2415.4	2890.9	3489.2	4189.1	4557.8	4661.6	5249.1
62.5°	1118.6	1190.9	1328.7	1706.0	2252.6	3133.9	4290.7	5259.8	5176.3	5751.3
65°	765.8	812.3	938.5	1150.4	1456.2	2332.7	4018.5	5786.2	5993.8	6547.2
67.5°	556.5	591.8	699.5	885.1	948.9	1380.4	3118.3	5762.0	6788.4	7367.3
70°	405.7	430.7	521.2	699.5	730.1	768.0	1889.1	4898.0	6771.2	7585.2
72.5°	300.6	317.9	378.6	542.7	590.9	518.6	935.1	3559.8	5818.5	6860.8
75°	217.5	230.4	275.2	415.2	472.9	395.0	466.5	2080.3	4058.6	4826.1
77.5°	166.3	176.2	205.4	304.1	378.6	296.3	289.4	957.0	1924.4	1933.9
80°	133.5	140.0	155.9	214.1	290.3	221.8	188.7	386.3	608.2	514.7
82.5°	98.2	109.0	131.8	150.3	207.6	152.9	115.0	195.1	231.3	199.0
85°	56.0	63.3	79.7	107.7	132.7	93.5	65.9	86.6	107.7	88.3
87.5°	19.8	25.8	28.0	42.2	57.7	38.8	25.4	25.0	35.3	26.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940195
 CATALOG NUMBER: GALN-SB3A-927-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1190.1	0°	1190.1	1190.1	1190.1	1190.1	1190.1	1190.1	1190.1	1190.1	1190.1	1190.1
1203.0	2.5°	1198.7	1196.5	1187.9	1176.3	1164.2	1152.6	1148.7	1140.5	1134.9	1131.9
1231.0	5°	1222.8	1215.9	1195.7	1169.8	1142.7	1113.4	1092.7	1073.8	1060.0	1047.1
1269.3	7.5°	1257.2	1245.2	1210.3	1165.1	1116.8	1068.2	1032.0	1004.4	985.9	973.8
1314.1	10°	1297.3	1278.8	1225.4	1157.8	1083.2	1013.5	970.8	947.1	935.5	929.0
1365.4	12.5°	1343.4	1317.1	1240.9	1141.0	1032.0	952.3	923.0	916.1	916.6	917.0
1430.0	15°	1400.2	1363.6	1253.4	1104.3	965.2	905.4	900.2	911.4	923.0	928.6
1503.2	17.5°	1464.4	1412.7	1255.5	1044.0	899.8	875.2	891.6	915.7	933.4	941.1
1585.0	20°	1533.3	1462.7	1240.0	958.8	845.9	850.7	879.9	911.0	930.3	940.2
1678.5	22.5°	1612.2	1516.1	1203.0	869.2	802.0	823.9	858.4	888.6	908.8	918.7
1788.3	25°	1702.2	1576.0	1144.8	793.8	764.1	793.8	828.3	853.2	869.6	878.6
1911.1	27.5°	1802.1	1638.4	1067.3	733.9	730.9	762.8	791.2	810.6	819.2	826.1
2041.6	30°	1902.4	1695.3	973.4	688.7	702.1	732.2	752.5	761.1	763.7	764.9
2187.1	32.5°	2011.0	1744.4	874.8	651.2	674.5	702.5	714.5	718.4	706.4	698.2
2363.7	35°	2142.4	1796.9	778.3	621.5	647.4	671.5	675.4	671.9	657.7	640.9
2585.1	37.5°	2304.7	1862.4	701.2	600.4	621.9	637.9	633.1	632.3	633.6	613.8
2851.3	40°	2503.7	1947.7	644.8	584.0	601.3	604.7	591.4	598.7	605.1	575.0
3143.3	42.5°	2724.7	2050.6	609.0	572.8	584.0	575.9	555.2	563.4	562.5	522.9
3436.6	45°	2949.9	2162.6	596.5	564.7	568.1	551.7	528.9	531.1	513.0	477.2
3717.9	47.5°	3173.9	2282.8	604.3	557.8	548.3	529.8	512.1	502.6	475.9	449.2
3987.5	50°	3393.6	2409.0	632.7	544.0	521.2	510.4	497.5	480.7	452.2	429.4
4242.5	52.5°	3597.3	2536.0	664.6	521.2	487.1	493.6	485.4	466.0	438.0	414.8
4483.7	55°	3790.3	2663.1	677.1	489.7	455.3	479.0	474.2	438.5	404.9	385.9
4736.1	57.5°	4000.4	2816.0	663.3	449.7	429.4	462.2	444.1	404.4	385.1	370.8
5064.7	60°	4291.6	3055.9	633.6	400.1	404.9	437.2	406.2	389.8	368.7	352.8
5557.5	62.5°	4775.3	3503.4	585.8	351.0	376.0	400.1	388.1	371.7	350.2	334.7
6399.9	65°	5490.3	4125.3	495.7	312.7	343.7	364.0	368.7	352.3	329.9	313.6
7138.2	67.5°	6093.3	4515.6	375.1	280.8	310.5	334.7	348.0	332.1	308.4	292.5
7310.9	70°	6060.1	4232.2	286.4	249.4	281.3	305.8	323.0	310.5	285.1	270.1
6640.7	72.5°	5382.6	3540.4	231.7	217.5	251.5	275.7	296.3	286.9	261.0	246.4
4864.9	75°	3954.4	2513.2	185.2	185.2	214.5	244.2	267.0	261.0	237.3	227.0
2042.4	77.5°	1666.9	1054.4	145.1	153.8	178.3	209.8	238.2	240.3	219.7	232.6
540.1	80°	443.2	290.7	110.7	121.0	140.0	173.1	207.2	206.3	183.9	171.9
200.7	82.5°	168.8	114.6	78.8	85.3	101.2	132.7	164.1	169.3	146.9	127.1
78.8	85°	65.0	49.1	48.7	51.3	59.0	87.9	124.0	128.4	110.7	93.9
22.0	87.5°	16.8	14.6	18.1	17.2	27.1	46.9	71.1	73.7	67.6	39.2
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>
1190.1
1135.4
1052.2
976.4
930.8
917.8
928.2
942.8
942.8
921.3
881.2
828.7
768.0
700.8
641.8
615.1
575.9
522.5
478.5
449.2
427.7
415.2
384.2
369.5
351.9
334.7
314.4
292.9
271.3
246.4
224.0
211.0
159.8
127.1
96.9
56.0
0.0

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