

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: P939172

Luminaire Tested: **GALN-SB1C-927-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4520 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

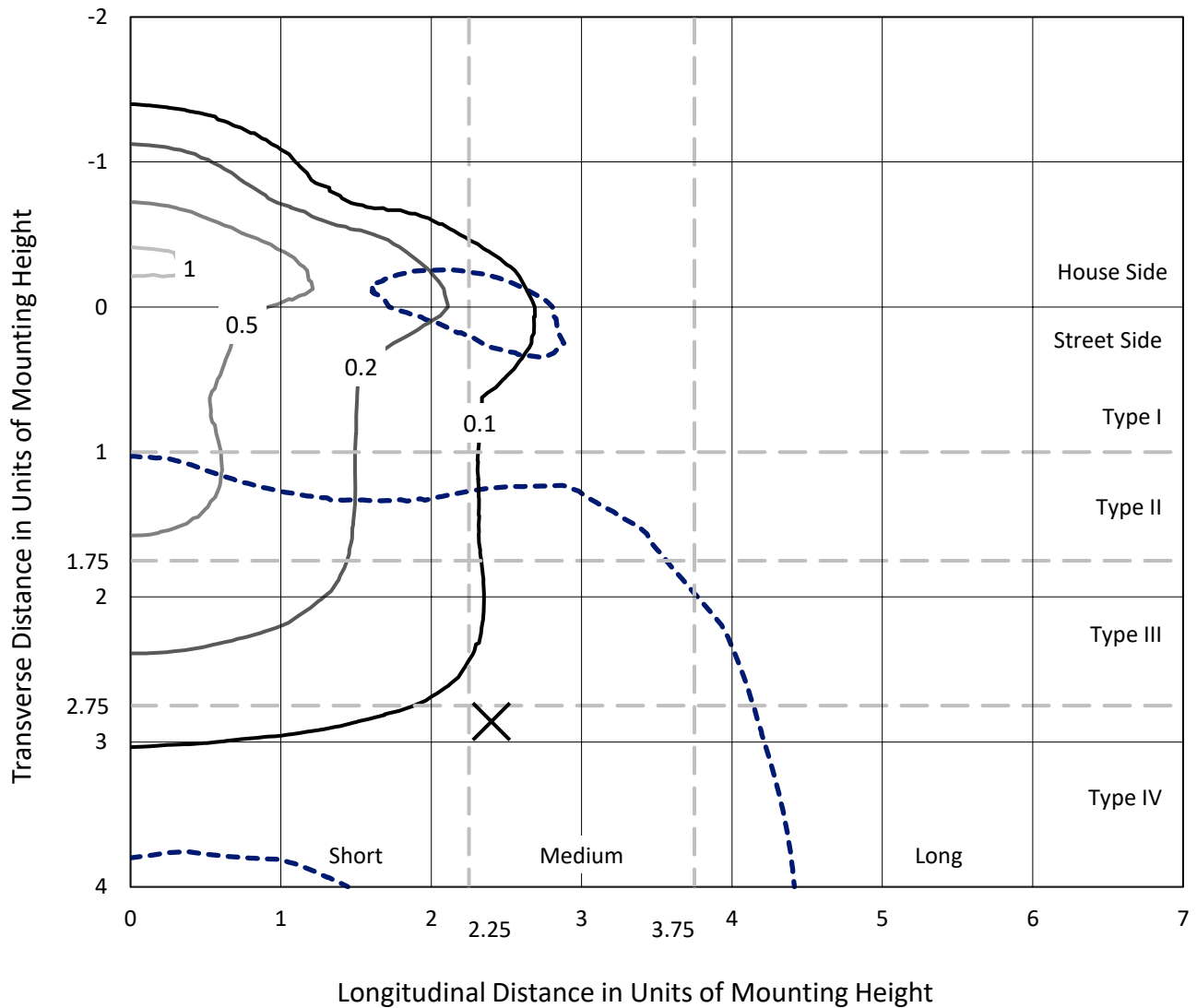
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

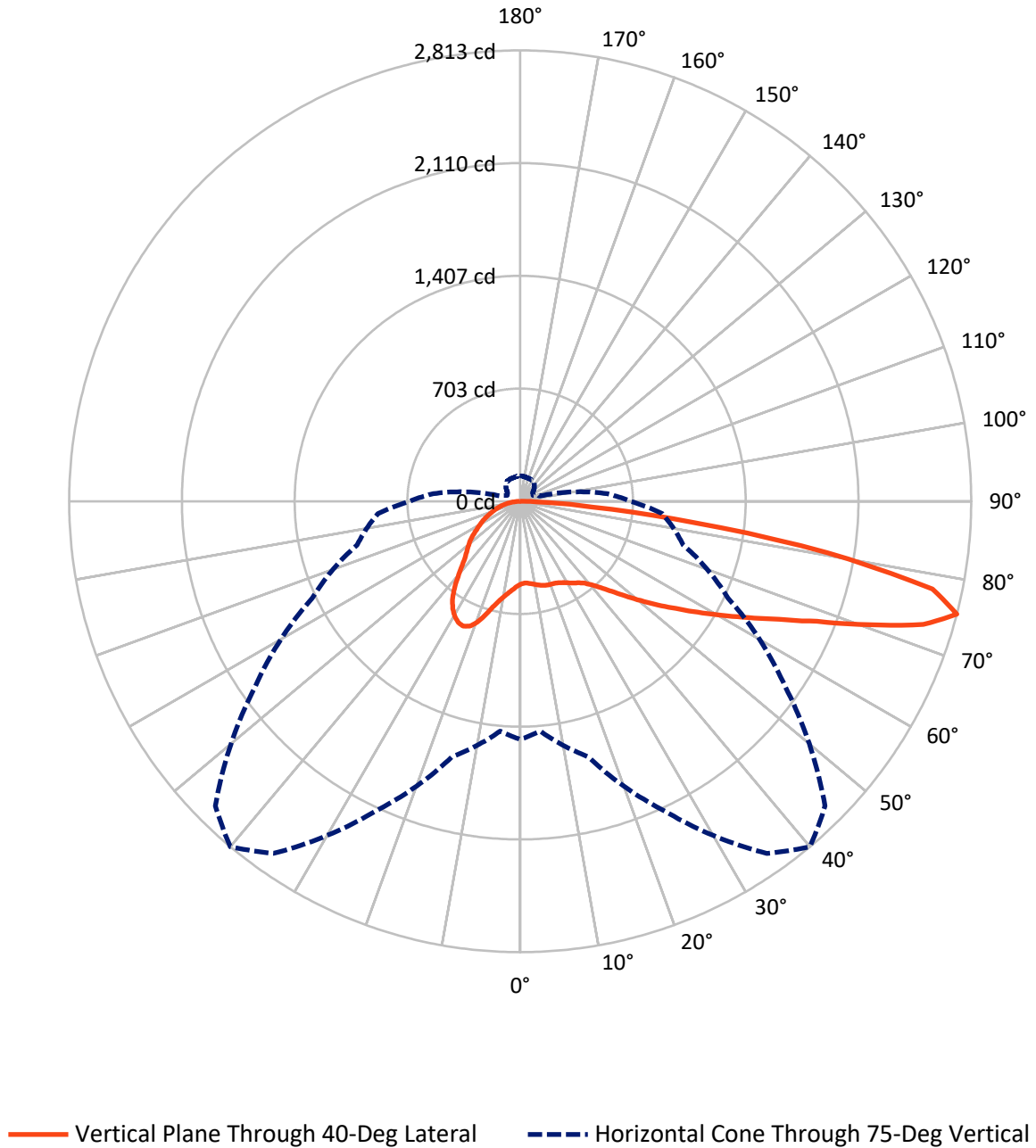
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1400.4	0.0	1400.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	3119.5	0.0	3119.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	4520.0	0.0	4520.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.6	1.1
10°-20°	173.2	3.8
20°-30°	316.3	7.0
30°-40°	448.6	9.9
40°-50°	605.7	13.4
50°-60°	814.9	18.0
60°-70°	1034.2	22.9
70°-80°	938.6	20.8
80°-90°	136.8	3.0
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°	4520.0	100.0
0°-180°	4520.0	100.0

Coefficient of Utilization



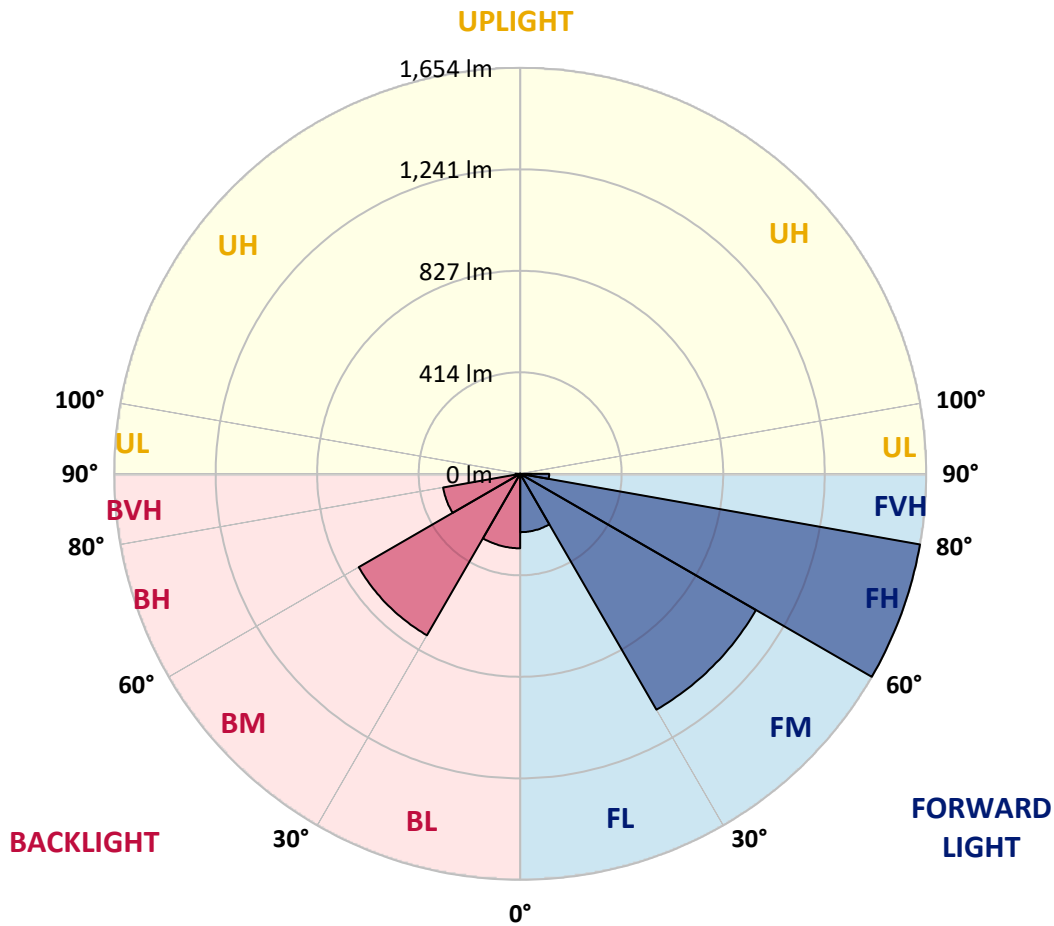
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.8	5.3			
FM (30°-60°)	1109.6	24.5			
FH (60°-80°)	1654.3	36.6			G1/1800
FVH (80°-90°)	118.0	2.6			G2/225
BL (0°-30°)	303.3	6.7	B1/500		
BM (30°-60°)	759.6	16.8	B1/1000		
BH (60°-80°)	318.6	7.0	B1/500		G1/500
BVH (80°-90°)	18.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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 CATALOG NUMBER: GALN-SB1C-927-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9
2.5°	509.0	511.8	511.1	510.2	510.2	510.4	510.2	511.8	513.5	515.2
5°	514.2	517.1	515.7	514.5	513.5	513.3	512.6	512.3	513.3	515.4
7.5°	524.5	527.4	525.3	523.1	521.2	520.2	519.3	517.8	517.1	518.3
10°	536.0	538.9	536.3	532.5	529.3	528.1	527.2	525.7	524.8	525.5
12.5°	547.6	550.4	546.8	541.6	537.5	536.8	535.6	535.1	534.8	534.6
15°	558.3	560.7	556.2	550.0	545.6	544.4	543.2	544.0	545.2	546.6
17.5°	566.7	569.1	562.4	554.3	550.2	549.7	549.0	551.4	554.7	558.3
20°	574.4	576.8	568.2	557.1	552.3	552.3	552.6	557.6	562.4	567.7
22.5°	585.2	587.1	576.6	561.5	554.5	555.0	556.9	561.9	567.9	575.1
25°	601.3	602.7	589.7	569.6	561.7	563.1	564.8	567.2	573.0	581.4
27.5°	627.1	628.3	611.3	584.0	572.0	574.4	576.8	575.1	577.8	585.0
30°	663.6	664.3	642.7	606.5	589.5	590.7	591.2	584.2	579.2	585.0
32.5°	706.7	706.5	680.8	633.9	609.4	608.2	604.1	590.5	578.7	583.8
35°	773.6	771.0	737.9	672.2	631.9	624.5	614.9	597.4	581.1	582.6
37.5°	884.4	876.2	830.4	735.0	665.5	646.6	632.4	608.7	586.4	582.1
40°	1009.3	999.0	948.6	821.1	715.8	685.4	662.6	624.7	595.0	584.2
42.5°	1157.4	1142.8	1088.6	922.5	779.6	735.5	701.2	645.1	607.7	591.2
45°	1339.4	1320.0	1243.3	1036.9	859.9	801.2	755.4	676.1	627.1	604.6
47.5°	1523.3	1528.1	1419.0	1167.7	956.3	882.2	823.2	722.6	655.4	626.2
50°	1718.7	1722.0	1593.8	1312.8	1065.6	973.8	899.5	774.6	694.8	656.9
52.5°	1871.1	1871.6	1752.5	1464.5	1179.5	1074.5	981.7	834.0	740.3	697.6
55°	1966.5	1965.3	1863.7	1608.1	1310.4	1180.2	1072.8	901.6	795.9	745.6
57.5°	2035.8	2032.2	1940.4	1731.6	1449.9	1305.1	1175.9	978.4	861.6	802.6
60°	2062.2	2060.0	1992.4	1838.3	1596.6	1443.2	1294.8	1064.2	936.2	870.0
62.5°	2072.3	2076.3	2043.5	1941.6	1753.7	1596.2	1425.5	1166.8	1020.1	946.2
65°	2107.7	2115.2	2108.5	2076.8	1931.1	1775.2	1598.8	1288.8	1111.6	1028.0
67.5°	2178.0	2185.4	2188.3	2238.6	2147.8	1998.4	1815.0	1440.8	1218.8	1112.8
70°	2176.3	2174.2	2225.0	2367.4	2419.2	2307.4	2106.5	1627.8	1346.6	1183.3
72.5°	1980.9	1963.7	2083.8	2365.9	2645.0	2630.1	2462.6	1869.0	1456.9	1192.0
75°	1486.1	1440.1	1652.3	2132.2	2682.6	2813.3	2688.9	2018.6	1430.7	1053.2
77.5°	635.5	589.3	839.3	1578.4	2400.9	2629.9	2481.3	1761.1	1142.1	696.4
80°	166.4	166.1	253.6	715.6	1632.8	1942.1	1703.8	1137.3	652.6	248.8
82.5°	68.8	67.1	93.3	278.3	797.8	1089.8	889.4	507.3	235.7	67.4
85°	25.7	25.4	45.3	96.1	281.4	449.5	325.3	129.7	58.7	32.8
87.5°	7.2	7.0	9.8	33.3	68.6	104.0	55.6	21.3	16.5	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939172
 CATALOG NUMBER: GALN-SB1C-927-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
516.9	0°	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9	516.9
517.8	2.5°	518.5	519.7	521.9	523.6	525.7	528.1	531.5	533.6	535.8	537.2
519.0	5°	520.7	523.3	528.9	534.4	540.8	546.8	553.8	558.8	562.9	564.1
523.3	7.5°	525.5	529.8	539.2	548.5	558.8	568.7	578.7	587.4	594.3	596.9
531.0	10°	533.9	539.6	552.8	566.0	579.7	594.8	607.7	620.2	630.0	634.1
540.1	12.5°	544.4	551.6	568.9	587.1	606.0	626.9	643.7	659.0	671.3	676.8
552.8	15°	558.1	567.5	589.5	614.0	641.8	670.8	692.1	709.1	722.8	729.5
566.0	17.5°	573.0	585.4	613.2	650.2	690.0	728.1	753.0	765.5	779.6	786.1
578.2	20°	587.4	602.7	642.5	696.2	749.2	789.7	809.8	813.2	814.1	814.9
589.7	22.5°	602.2	622.8	679.2	754.2	811.0	839.1	841.9	827.6	807.4	798.1
601.0	25°	618.5	645.8	727.1	818.2	864.2	867.6	845.5	810.5	772.4	754.9
610.1	27.5°	634.3	672.5	784.7	879.3	902.6	873.1	825.6	776.0	730.0	711.5
616.6	30°	650.2	702.9	848.2	932.8	920.1	859.4	794.2	738.9	692.6	673.2
622.4	32.5°	666.2	738.4	921.3	971.4	917.0	830.4	755.2	697.1	656.4	636.0
627.4	35°	684.4	782.0	990.6	992.5	896.1	787.8	703.6	647.3	611.8	595.5
633.4	37.5°	708.2	837.4	1051.7	997.8	859.7	725.2	639.6	588.3	559.1	551.6
642.2	40°	737.7	904.0	1098.5	989.4	805.7	649.2	569.6	528.6	512.1	513.8
654.2	42.5°	776.0	978.6	1131.3	967.8	730.7	570.8	508.2	490.0	497.9	504.6
672.2	45°	825.9	1056.0	1151.7	931.1	645.8	504.4	472.0	476.4	482.3	483.1
701.2	47.5°	889.7	1134.4	1165.1	875.8	559.3	457.7	449.0	450.0	448.8	443.7
744.6	50°	969.2	1210.7	1177.1	802.4	485.7	428.4	416.9	413.5	397.0	380.7
802.4	52.5°	1059.9	1280.7	1182.1	711.3	428.4	404.0	385.3	364.2	333.2	328.2
875.0	55°	1160.6	1345.4	1169.2	599.3	380.2	372.5	344.3	318.8	315.5	311.2
970.7	57.5°	1280.9	1415.2	1142.8	474.4	330.8	335.9	308.3	311.2	305.2	298.5
1093.7	60°	1412.5	1487.3	1096.5	360.6	279.8	290.1	298.9	298.7	297.0	291.5
1223.4	62.5°	1530.9	1534.8	1005.4	276.2	234.9	254.6	278.8	278.6	277.1	274.0
1358.8	65°	1601.4	1527.6	853.5	217.4	198.0	225.4	251.5	253.4	253.6	253.4
1460.7	67.5°	1589.0	1443.4	644.9	173.1	167.6	195.6	224.4	227.0	228.9	229.4
1473.6	70°	1448.0	1258.6	420.5	138.1	140.5	169.5	198.7	201.4	203.1	205.0
1278.7	72.5°	1128.7	925.4	240.7	111.7	116.8	147.0	173.3	176.4	177.4	181.0
889.9	75°	687.8	544.2	129.9	88.0	95.9	125.6	148.2	151.8	153.4	157.7
437.0	77.5°	327.0	235.7	74.1	68.6	77.2	102.6	125.1	129.2	124.7	127.1
120.6	80°	110.5	87.5	46.7	52.3	59.0	80.1	100.2	104.3	94.7	94.2
40.0	82.5°	38.6	35.5	29.7	34.8	38.1	57.3	75.8	81.0	70.5	70.2
18.0	85°	15.1	14.4	16.5	18.9	22.8	35.2	49.9	52.5	43.4	35.0
5.3	87.5°	3.1	3.4	4.1	4.3	7.0	12.2	18.0	22.1	17.5	14.9
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>
516.9
536.3
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634.3
676.8
729.0
785.9
816.8
800.7
757.6
713.7
675.3
638.7
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519.5
510.9
487.9
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382.9
329.9
311.9
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