

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: P945172

Luminaire Tested: **GALN-SB1A-950-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-950-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3103 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

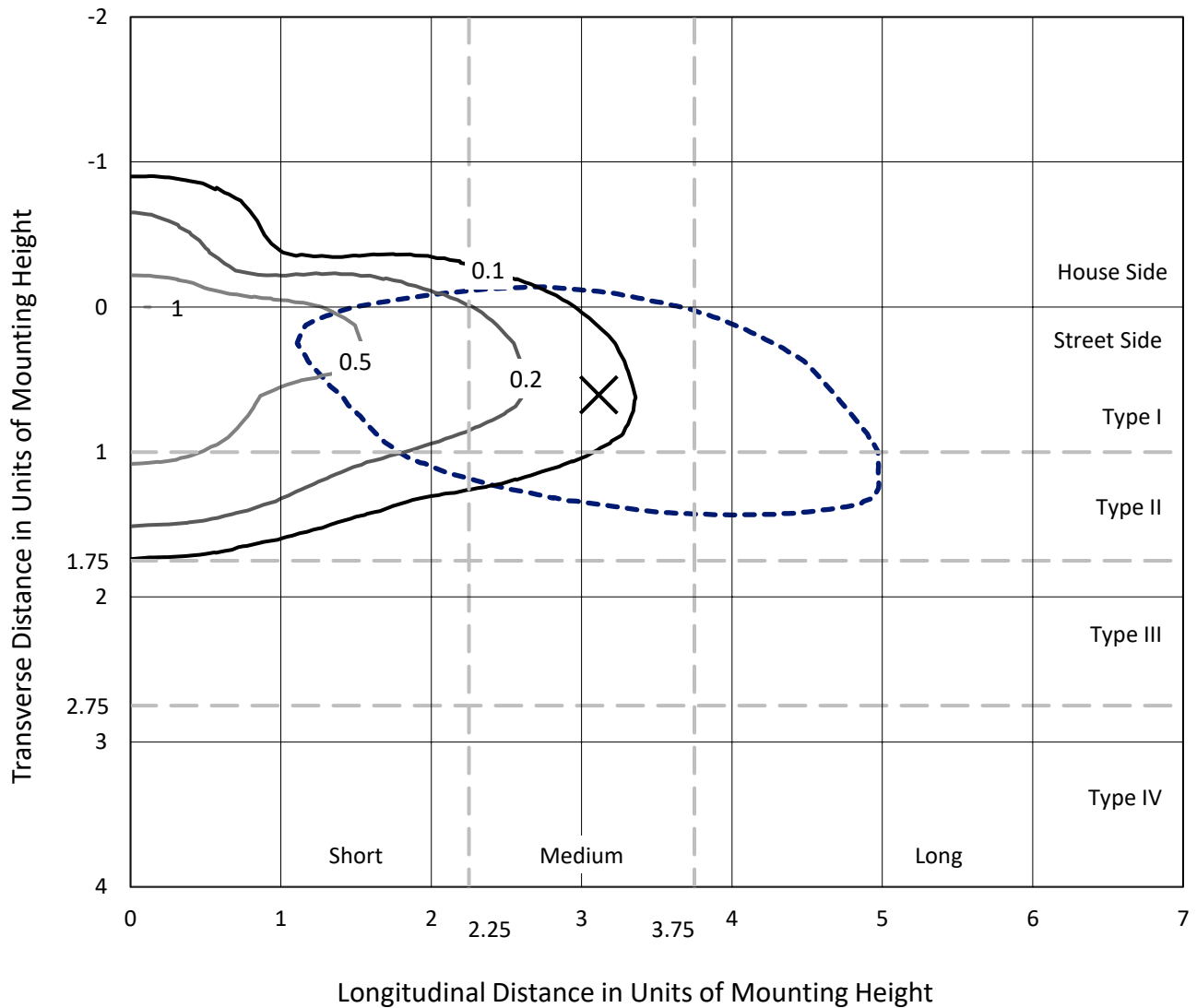
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

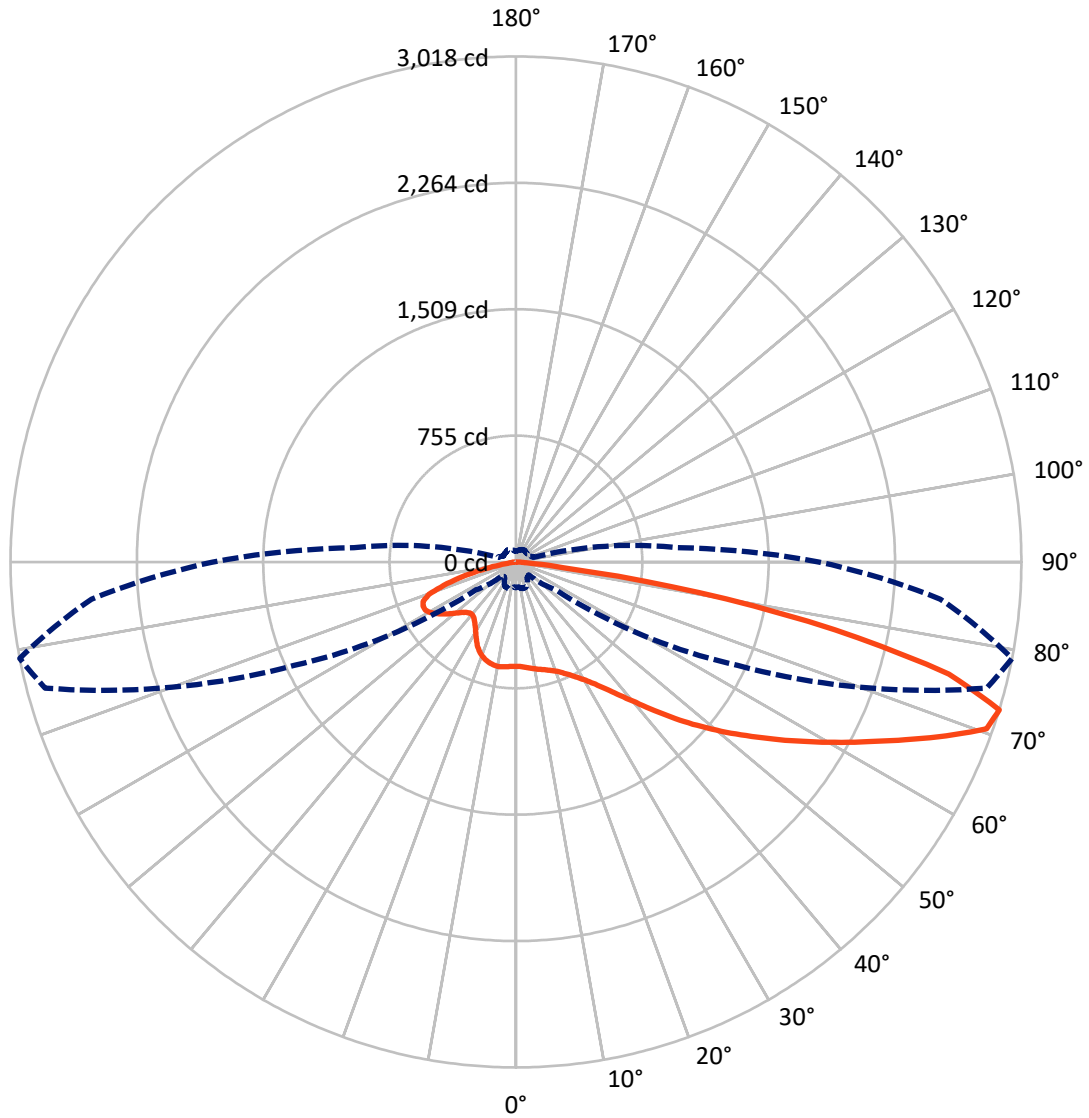
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	682.8	0.0	682.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	2420.2	0.0	2420.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	3103.0	0.0	3103.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	1.8
10°-20°	147.8	4.8
20°-30°	238.5	7.7
30°-40°	358.0	11.5
40°-50°	507.8	16.4
50°-60°	641.3	20.7
60°-70°	651.4	21.0
70°-80°	443.9	14.3
80°-90°	57.6	1.9
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°	3103.0	100.0
0°-180°	3103.0	100.0

Coefficient of Utilization



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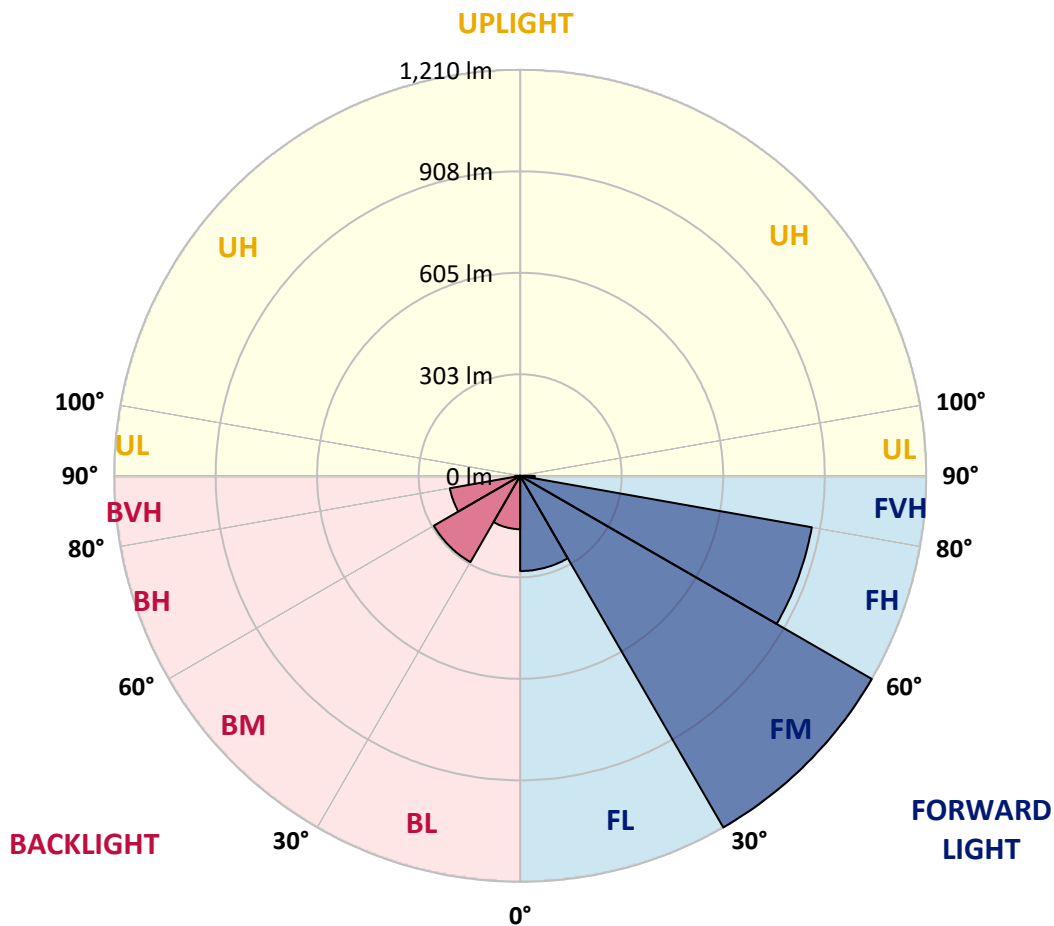
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.8	9.1			
FM (30°-60°)	1210.2	39.0			
FH (60°-80°)	882.7	28.4			G1/1800
FVH (80°-90°)	43.4	1.4			G1/100
BL (0°-30°)	159.1	5.1	B1/500		
BM (30°-60°)	297.0	9.6	B1/1000		
BH (60°-80°)	212.6	6.9	B1/500		G1/500
BVH (80°-90°)	14.2	0.5			G1/100
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°	79°
0°	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9
2.5°	623.2	620.3	622.1	621.4	622.2	623.2	623.6	624.0	625.7	625.5
5°	621.9	619.0	621.4	620.6	622.7	625.0	627.0	628.8	631.4	632.6
7.5°	619.1	617.2	619.6	622.1	626.0	629.5	632.3	636.4	640.1	640.8
10°	602.9	601.4	607.1	613.5	624.4	633.7	639.8	644.6	648.7	649.3
12.5°	586.0	584.2	590.6	599.3	616.8	633.7	646.5	652.8	656.4	658.5
15°	583.2	581.7	585.3	592.9	607.5	629.3	651.1	662.6	665.7	668.2
17.5°	596.6	593.8	595.3	597.9	606.5	625.2	654.7	673.8	678.5	681.2
20°	627.8	623.9	621.6	616.3	614.9	625.9	654.4	687.2	693.5	696.8
22.5°	669.3	666.7	661.8	648.5	634.1	633.9	660.6	704.5	716.1	719.2
25°	719.6	715.6	709.4	691.3	663.6	649.8	671.2	726.5	746.0	746.8
27.5°	777.4	771.4	762.9	739.1	701.7	674.8	687.2	751.7	780.3	780.0
30°	838.2	832.3	823.3	794.4	747.3	708.4	709.6	779.0	821.0	819.2
32.5°	882.7	878.3	876.5	854.2	799.8	748.1	735.2	809.2	871.2	869.6
35°	916.9	911.1	913.3	901.9	857.1	792.6	766.5	845.1	932.3	932.1
37.5°	950.7	945.6	947.4	939.8	910.1	849.1	804.8	889.1	1008.0	1011.6
40°	981.5	976.1	983.3	976.3	951.3	909.2	848.3	938.9	1095.6	1102.5
42.5°	1000.1	995.8	1007.8	1008.0	987.1	959.9	896.0	993.7	1197.0	1212.5
45°	1006.5	1005.0	1023.1	1026.8	1018.8	989.3	939.0	1053.4	1306.4	1333.9
47.5°	999.6	996.8	1021.7	1035.7	1042.1	1003.0	974.6	1118.1	1418.0	1458.4
50°	964.8	959.4	996.5	1025.9	1048.7	1012.1	1010.6	1192.8	1544.9	1589.0
52.5°	902.3	898.2	940.3	991.4	1034.2	1016.5	1051.0	1274.4	1665.3	1722.4
55°	822.3	816.9	863.4	930.0	998.3	1015.0	1091.3	1365.6	1807.5	1865.4
57.5°	695.6	684.8	743.5	822.3	939.7	1013.2	1133.4	1456.4	1951.9	2021.3
60°	510.8	494.7	566.8	660.2	825.1	995.7	1185.4	1558.1	2125.2	2187.8
62.5°	297.4	288.1	335.2	422.3	621.9	892.2	1214.6	1676.5	2295.6	2361.3
65°	230.9	228.3	232.4	239.1	346.2	668.0	1124.5	1791.9	2512.3	2558.2
67.5°	211.2	209.3	211.1	198.4	175.6	372.1	889.6	1821.1	2744.4	2772.3
70°	187.8	185.5	191.4	180.6	138.2	169.2	574.8	1715.1	2929.0	2981.4
72.5°	153.0	150.3	164.1	159.2	116.4	108.7	288.7	1463.1	2909.6	3018.3
75°	117.5	116.0	132.5	136.6	94.9	85.5	138.5	1087.6	2560.5	2670.0
77.5°	91.3	90.1	98.5	113.4	76.5	66.3	85.2	689.9	1929.6	1948.8
80°	68.4	65.2	72.9	87.8	59.6	48.4	57.8	402.3	1219.7	1105.6
82.5°	42.8	41.2	47.6	58.6	42.0	33.3	37.6	222.2	488.8	287.9
85°	24.5	23.8	25.9	33.5	22.8	19.2	21.5	98.2	89.3	61.4
87.5°	9.8	9.5	11.8	14.9	8.4	7.1	7.6	23.6	19.7	18.2
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°
622.9	0°	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9
625.4	2.5°	624.7	624.7	622.4	618.8	614.7	612.1	607.8	606.6	602.2	600.9
630.9	5°	632.3	630.9	623.9	613.7	599.8	587.0	572.8	564.0	551.5	547.1
641.9	7.5°	641.8	638.2	626.0	603.7	574.5	545.8	515.9	493.2	471.6	463.8
651.0	10°	650.5	645.4	624.7	585.6	535.1	485.4	437.8	404.4	379.2	368.8
661.0	12.5°	659.2	649.8	616.0	555.6	479.1	411.7	360.9	335.0	319.4	306.9
669.2	15°	667.4	654.2	602.5	515.4	417.7	349.3	311.9	291.2	278.7	270.5
681.2	17.5°	676.9	658.0	582.4	464.3	359.3	306.1	275.6	263.1	260.6	259.7
697.6	20°	690.2	661.5	555.8	407.2	316.3	271.6	255.9	254.7	254.6	254.1
717.3	22.5°	704.5	665.6	520.6	355.4	279.7	250.1	247.4	245.1	243.6	243.4
741.1	25°	721.4	666.9	476.7	312.8	248.5	240.0	236.7	233.2	232.3	232.3
768.2	27.5°	737.8	662.5	425.4	275.9	230.9	230.6	226.3	225.2	225.0	225.5
799.0	30°	754.2	654.1	374.6	241.8	220.8	220.8	219.3	220.1	220.8	222.4
841.4	32.5°	776.4	645.2	332.0	216.5	211.9	210.3	211.7	213.4	214.0	216.2
897.0	35°	808.9	639.0	298.2	202.7	202.7	200.6	201.4	201.1	199.6	198.6
964.3	37.5°	851.9	638.7	270.3	196.3	195.0	194.7	194.8	192.7	187.0	180.1
1045.7	40°	903.6	647.5	248.8	191.9	190.9	192.9	191.9	186.1	170.4	158.4
1145.8	42.5°	973.0	672.8	235.0	186.5	189.4	191.9	187.9	168.1	157.4	149.4
1259.9	45°	1054.7	713.8	228.0	180.7	186.6	189.6	170.5	161.8	153.3	143.6
1384.3	47.5°	1147.3	765.5	226.3	175.3	180.4	182.2	163.2	159.2	149.5	139.0
1509.4	50°	1248.1	826.8	230.8	168.9	171.4	165.1	160.7	157.1	147.1	136.7
1637.6	52.5°	1352.3	894.2	239.6	160.2	162.3	155.4	159.7	156.6	145.6	131.6
1770.0	55°	1454.7	962.2	248.2	150.0	153.1	146.7	156.9	154.6	138.9	123.1
1911.4	57.5°	1558.8	1029.8	256.5	141.0	144.3	138.4	152.5	149.4	131.3	115.2
2065.7	60°	1667.0	1095.4	260.5	132.3	134.6	130.7	145.8	140.3	122.8	107.2
2217.3	62.5°	1768.2	1150.1	254.1	123.6	125.1	123.4	136.9	129.7	114.2	98.2
2375.4	65°	1869.8	1182.6	234.4	115.1	115.4	114.6	124.4	118.2	104.2	90.3
2513.7	67.5°	1961.9	1200.8	203.0	105.9	105.0	104.7	112.8	105.7	94.5	82.4
2619.0	70°	1981.5	1154.5	155.1	95.0	95.0	94.2	100.0	92.7	83.9	74.0
2543.6	72.5°	1809.8	971.2	110.1	82.7	84.0	82.4	87.2	81.1	73.0	66.5
2192.2	75°	1459.3	712.2	80.1	70.1	72.4	69.6	74.0	69.8	62.9	62.7
1510.7	77.5°	1002.7	440.4	58.1	57.8	59.4	55.8	60.9	58.6	52.4	49.6
657.5	80°	427.9	175.6	42.3	44.6	44.6	41.4	47.3	47.9	42.5	41.2
126.9	82.5°	85.2	49.9	29.7	30.7	28.9	27.9	33.5	37.1	51.2	57.0
38.2	85°	25.6	18.4	17.9	16.7	14.8	14.9	19.7	37.3	46.0	26.3
12.6	87.5°	7.1	4.6	4.8	3.8	3.1	4.1	6.7	28.2	15.4	6.6
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>
622.9
603.0
550.3
464.8
371.1
311.0
272.0
260.3
255.7
245.2
233.2
226.8
223.6
218.0
200.9
180.2
158.1
149.0
143.0
138.2
135.6
130.7
122.3
114.9
106.7
98.0
89.3
81.4
73.7
64.5
56.5
46.5
41.2
57.1
22.7
5.6
0.0

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