

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: P938805

Luminaire Tested: **GALN-SB1A-835-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938805
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-SB1A-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4124 lumens
Efficiency: N/A
Efficacy: 133.5 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

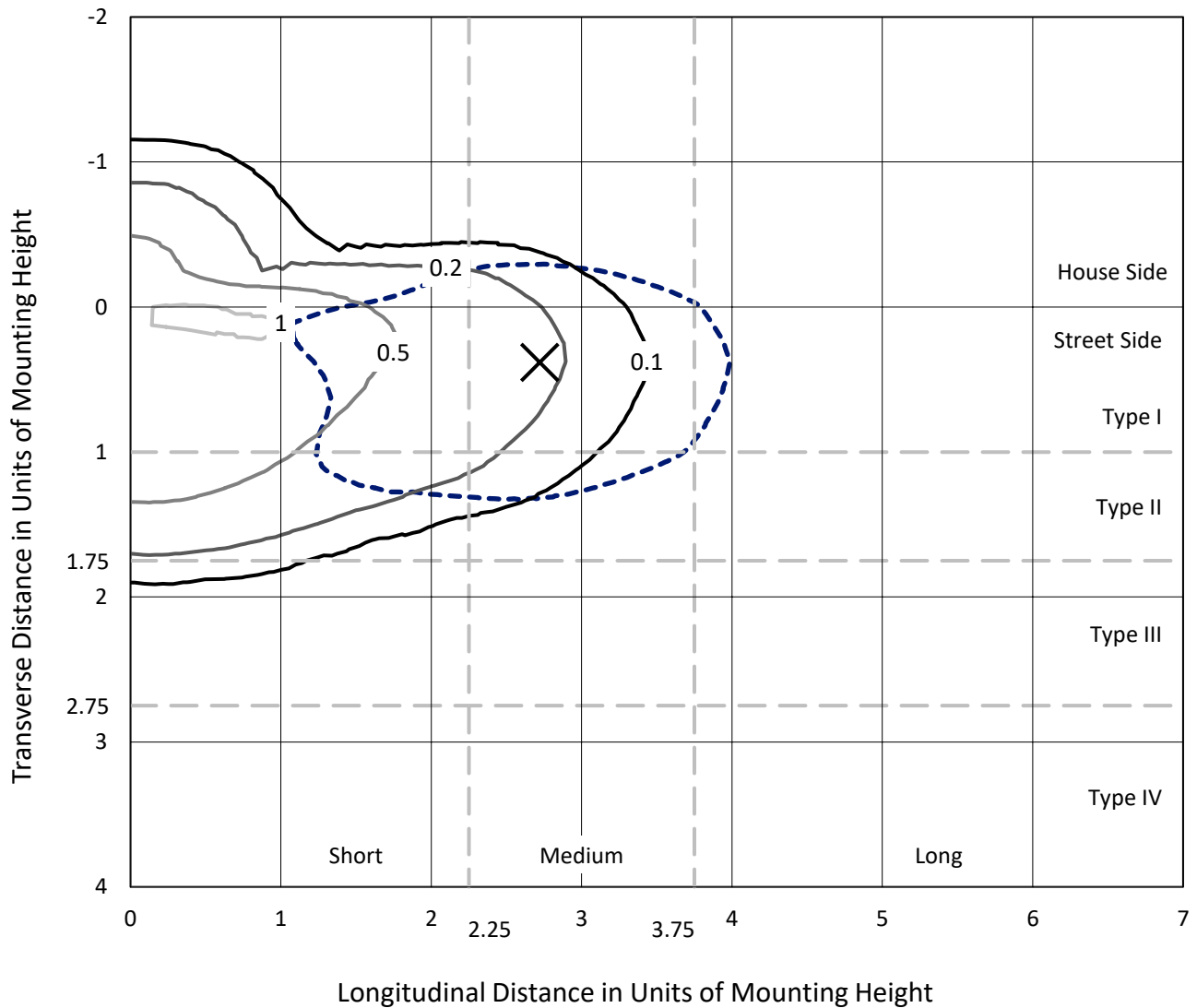
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

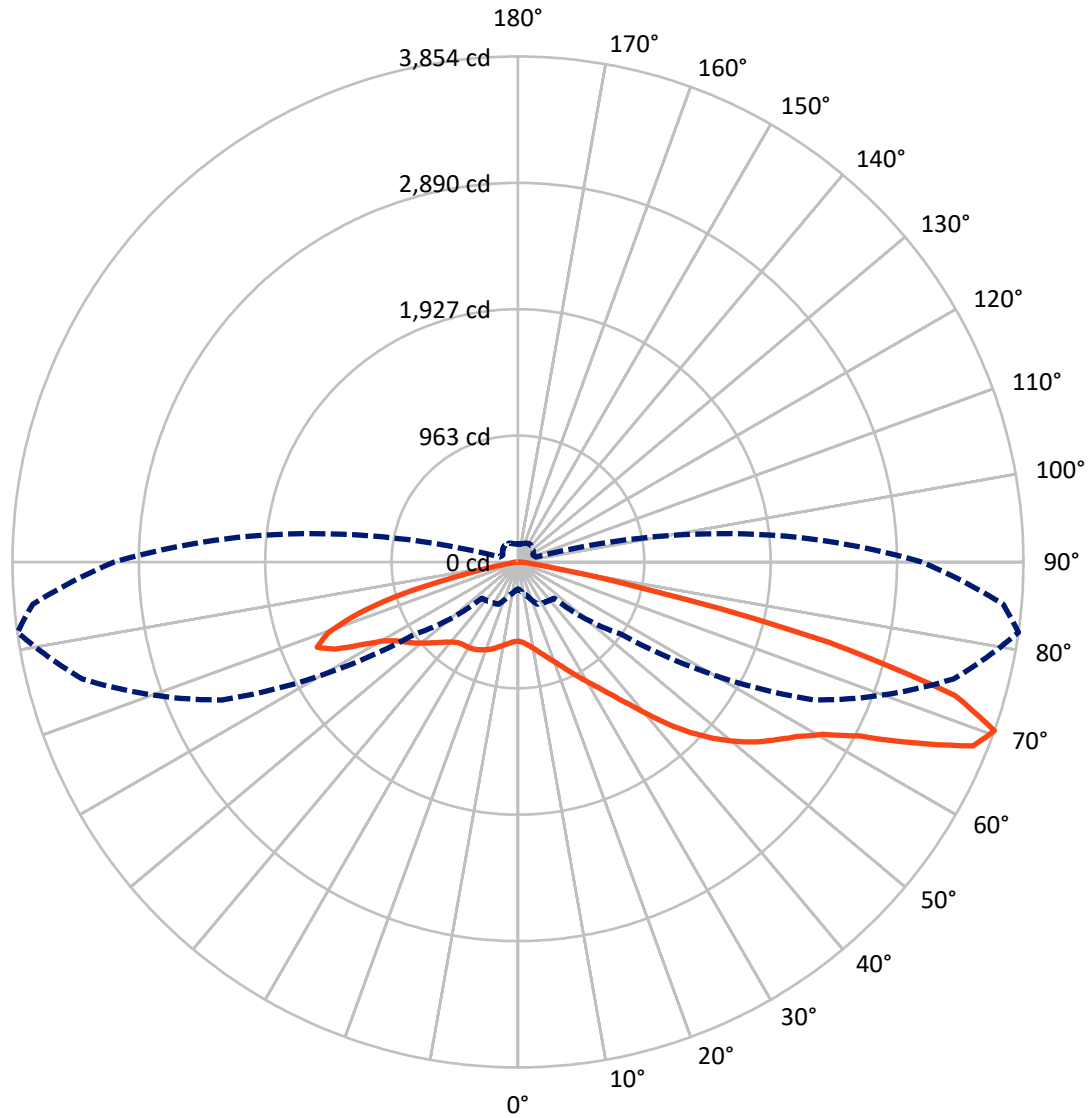
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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
House Side	Lumens	1016.7	0.0	1016.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3107.3	0.0	3107.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	4124.0	0.0	4124.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	1.4
10°-20°	164.0	4.0
20°-30°	274.4	6.7
30°-40°	428.7	10.4
40°-50°	682.7	16.6
50°-60°	950.0	23.0
60°-70°	993.8	24.1
70°-80°	519.4	12.6
80°-90°	53.9	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°	4124.0	100.0
0°-180°	4124.0	100.0

Coefficient of Utilization



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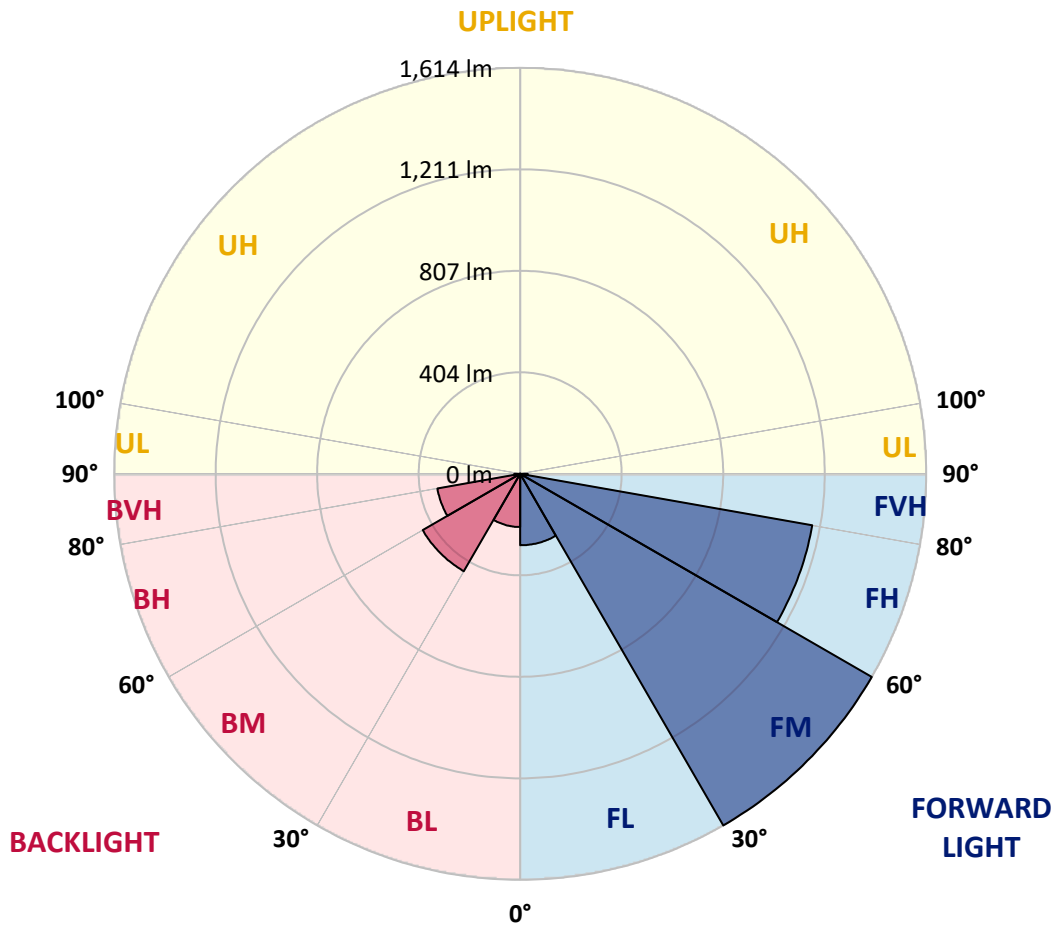
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	284.0	6.9			
FM (30°-60°)	1614.1	39.1			
FH (60°-80°)	1179.1	28.6			G1/1800
FVH (80°-90°)	30.2	0.7			G1/100
BL (0°-30°)	211.5	5.1	B1/500		
BM (30°-60°)	447.3	10.8	B1/1000		
BH (60°-80°)	334.1	8.1	B1/500		G1/500
BVH (80°-90°)	23.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6
2.5°	619.1	622.6	621.5	620.4	620.4	618.9	618.6	616.4	614.7	611.9
5°	627.0	630.7	630.2	631.1	634.0	634.6	635.3	634.0	630.5	627.0
7.5°	619.9	624.1	625.4	630.7	639.4	647.3	653.2	655.6	652.3	647.3
10°	596.3	600.9	605.5	618.0	633.5	652.1	667.9	677.3	676.6	671.8
12.5°	548.4	553.2	563.1	587.3	615.8	648.6	677.9	697.6	704.4	700.9
15°	510.1	514.3	521.7	546.6	583.6	633.5	681.7	720.0	737.2	735.3
17.5°	509.0	510.8	515.3	527.2	555.6	609.9	677.7	741.8	774.9	774.7
20°	528.3	528.9	531.5	533.9	550.1	591.9	667.7	760.0	817.1	817.1
22.5°	555.0	554.5	557.1	555.0	562.8	590.4	661.3	776.0	864.2	867.7
25°	595.0	592.8	592.2	587.1	588.7	604.6	668.3	794.1	920.0	927.2
27.5°	648.4	644.9	642.5	630.9	627.0	634.0	689.8	816.0	982.1	994.6
30°	718.0	711.6	708.1	688.0	673.8	674.9	722.1	845.1	1047.1	1067.2
32.5°	813.0	803.1	793.7	760.7	734.6	726.1	763.9	885.4	1117.6	1149.7
35°	919.3	911.4	901.4	850.4	810.3	790.6	820.4	941.6	1200.1	1251.1
37.5°	1021.7	1014.9	1019.8	951.0	899.4	870.7	894.4	1017.1	1301.8	1377.1
40°	1127.6	1122.4	1123.0	1057.4	997.2	965.0	984.1	1111.9	1418.5	1527.0
42.5°	1242.7	1238.8	1225.7	1167.5	1099.8	1069.9	1087.4	1221.3	1543.6	1697.7
45°	1371.6	1369.2	1357.0	1290.2	1212.8	1179.1	1202.7	1342.1	1669.5	1858.3
47.5°	1483.0	1485.0	1483.5	1427.2	1346.9	1297.4	1325.7	1468.1	1786.5	2009.3
50°	1536.6	1546.9	1562.0	1544.5	1494.6	1444.3	1449.8	1589.8	1898.1	2150.9
52.5°	1508.6	1528.1	1569.2	1597.2	1616.5	1606.0	1591.3	1710.6	2003.2	2278.7
55°	1404.2	1431.6	1499.9	1567.5	1665.7	1742.1	1761.4	1844.5	2105.6	2391.2
57.5°	1214.1	1258.5	1319.8	1456.5	1622.0	1808.0	1959.6	2030.3	2214.1	2511.3
60°	888.0	947.5	1023.7	1227.2	1468.8	1772.7	2128.4	2315.7	2368.4	2666.9
62.5°	568.3	605.1	675.1	866.8	1144.5	1592.2	2180.0	2672.4	2629.9	2922.0
65°	389.1	412.7	476.8	584.5	739.9	1185.2	2041.7	2939.8	3045.3	3326.4
67.5°	282.7	300.7	355.4	449.7	482.1	701.4	1584.3	2927.5	3449.0	3743.1
70°	206.1	218.8	264.8	355.4	370.9	390.2	959.8	2488.5	3440.2	3853.8
72.5°	152.7	161.5	192.4	275.7	300.2	263.5	475.1	1808.6	2956.2	3485.8
75°	110.5	117.1	139.8	211.0	240.3	200.7	237.0	1057.0	2062.0	2452.0
77.5°	84.5	89.5	104.4	154.5	192.4	150.6	147.1	486.2	977.7	982.6
80°	67.8	71.1	79.2	108.8	147.5	112.7	95.8	196.3	309.0	261.5
82.5°	49.9	55.4	67.0	76.4	105.5	77.7	58.4	99.1	117.5	101.1
85°	28.4	32.2	40.5	54.7	67.4	47.5	33.5	44.0	54.7	44.9
87.5°	10.1	13.1	14.2	21.4	29.3	19.7	12.9	12.7	17.9	13.3
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°
604.6	0°	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6	604.6
611.2	2.5°	609.0	607.9	603.5	597.6	591.5	585.6	583.6	579.5	576.6	575.1
625.4	5°	621.3	617.8	607.5	594.3	580.6	565.7	555.2	545.5	538.5	532.0
644.9	7.5°	638.8	632.6	614.9	591.9	567.4	542.7	524.3	510.3	500.9	494.8
667.7	10°	659.1	649.7	622.6	588.2	550.4	514.9	493.2	481.2	475.3	472.0
693.7	12.5°	682.5	669.2	630.5	579.7	524.3	483.8	469.0	465.5	465.7	465.9
726.5	15°	711.4	692.8	636.8	561.1	490.4	460.0	457.4	463.0	469.0	471.8
763.7	17.5°	744.0	717.8	637.9	530.4	457.1	444.7	453.0	465.2	474.2	478.1
805.3	20°	779.0	743.1	630.0	487.1	429.8	432.2	447.1	462.8	472.7	477.7
852.8	22.5°	819.1	770.3	611.2	441.6	407.5	418.6	436.1	451.4	461.7	466.8
908.6	25°	864.8	800.7	581.7	403.3	388.2	403.3	420.8	433.5	441.8	446.4
971.0	27.5°	915.6	832.4	542.3	372.9	371.4	387.5	402.0	411.8	416.2	419.7
1037.3	30°	966.6	861.3	494.6	349.9	356.7	372.0	382.3	386.7	388.0	388.6
1111.2	32.5°	1021.7	886.3	444.4	330.9	342.7	356.9	363.0	365.0	358.9	354.7
1200.9	35°	1088.5	913.0	395.4	315.8	328.9	341.2	343.1	341.4	334.2	325.6
1313.4	37.5°	1171.0	946.2	356.3	305.1	316.0	324.1	321.7	321.2	321.9	311.8
1448.7	40°	1272.1	989.6	327.6	296.7	305.5	307.2	300.5	304.2	307.5	292.1
1597.0	42.5°	1384.3	1041.9	309.4	291.0	296.7	292.6	282.1	286.2	285.8	265.7
1746.1	45°	1498.8	1098.8	303.1	286.9	288.6	280.3	268.7	269.8	260.6	242.5
1888.9	47.5°	1612.6	1159.8	307.0	283.4	278.6	269.2	260.2	255.4	241.8	228.2
2025.9	50°	1724.2	1223.9	321.5	276.4	264.8	259.3	252.7	244.2	229.8	218.2
2155.5	52.5°	1827.7	1288.5	337.7	264.8	247.5	250.8	246.6	236.8	222.6	210.7
2278.0	55°	1925.7	1353.0	344.0	248.8	231.3	243.3	240.9	222.8	205.7	196.1
2406.3	57.5°	2032.5	1430.7	337.0	228.5	218.2	234.8	225.6	205.5	195.6	188.4
2573.2	60°	2180.4	1552.6	321.9	203.3	205.7	222.1	206.4	198.0	187.3	179.2
2823.6	62.5°	2426.2	1780.0	297.6	178.3	191.0	203.3	197.2	188.9	177.9	170.0
3251.6	65°	2789.4	2096.0	251.9	158.9	174.6	184.9	187.3	179.0	167.6	159.3
3626.7	67.5°	3095.8	2294.2	190.6	142.7	157.8	170.0	176.8	168.7	156.7	148.6
3714.4	70°	3079.0	2150.2	145.5	126.7	142.9	155.4	164.1	157.8	144.9	137.2
3373.9	72.5°	2734.7	1798.8	117.7	110.5	127.8	140.1	150.6	145.7	132.6	125.2
2471.7	75°	2009.1	1276.9	94.1	94.1	109.0	124.1	135.7	132.6	120.6	115.3
1037.7	77.5°	846.9	535.7	73.7	78.1	90.6	106.6	121.0	122.1	111.6	118.2
274.4	80°	225.2	147.7	56.2	61.5	71.1	88.0	105.3	104.8	93.4	87.3
102.0	82.5°	85.8	58.2	40.0	43.3	51.4	67.4	83.4	86.0	74.6	64.6
40.0	85°	33.0	24.9	24.7	26.0	30.0	44.6	63.0	65.2	56.2	47.7
11.2	87.5°	8.5	7.4	9.2	8.8	13.8	23.9	36.1	37.4	34.4	19.9
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>
604.6
576.8
534.6
496.1
472.9
466.3
471.6
479.0
479.0
468.1
447.7
421.0
390.2
356.0
326.1
312.5
292.6
265.4
243.1
228.2
217.3
211.0
195.2
187.8
178.8
170.0
159.7
148.8
137.9
125.2
113.8
107.2
81.2
64.6
49.2
28.4
0.0

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