

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: P945886

Luminaire Tested: **GALN-SB1C-950-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945886
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-SB1C-950-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5180 lumens
Efficiency: N/A
Efficacy: 95.2 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

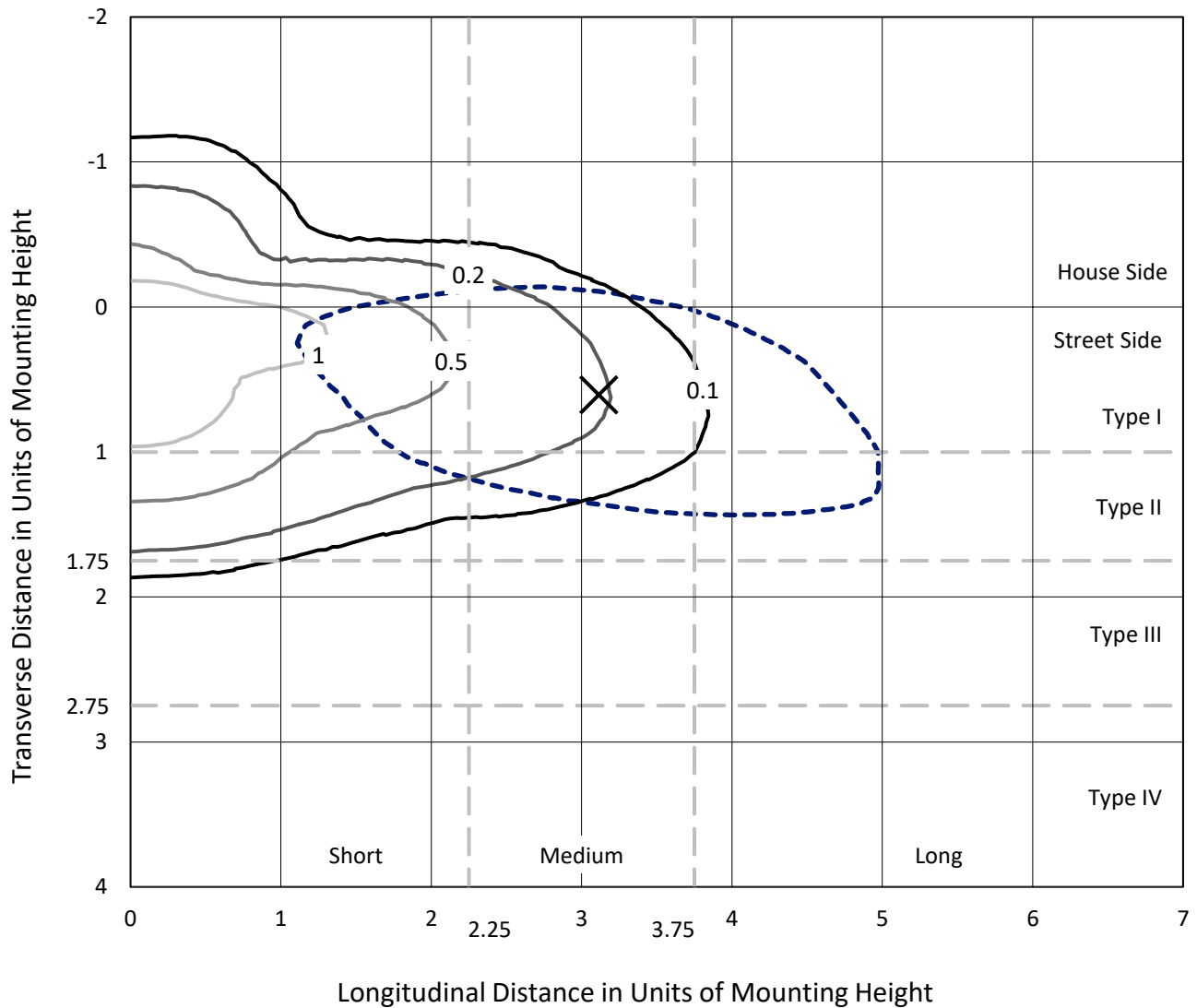
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

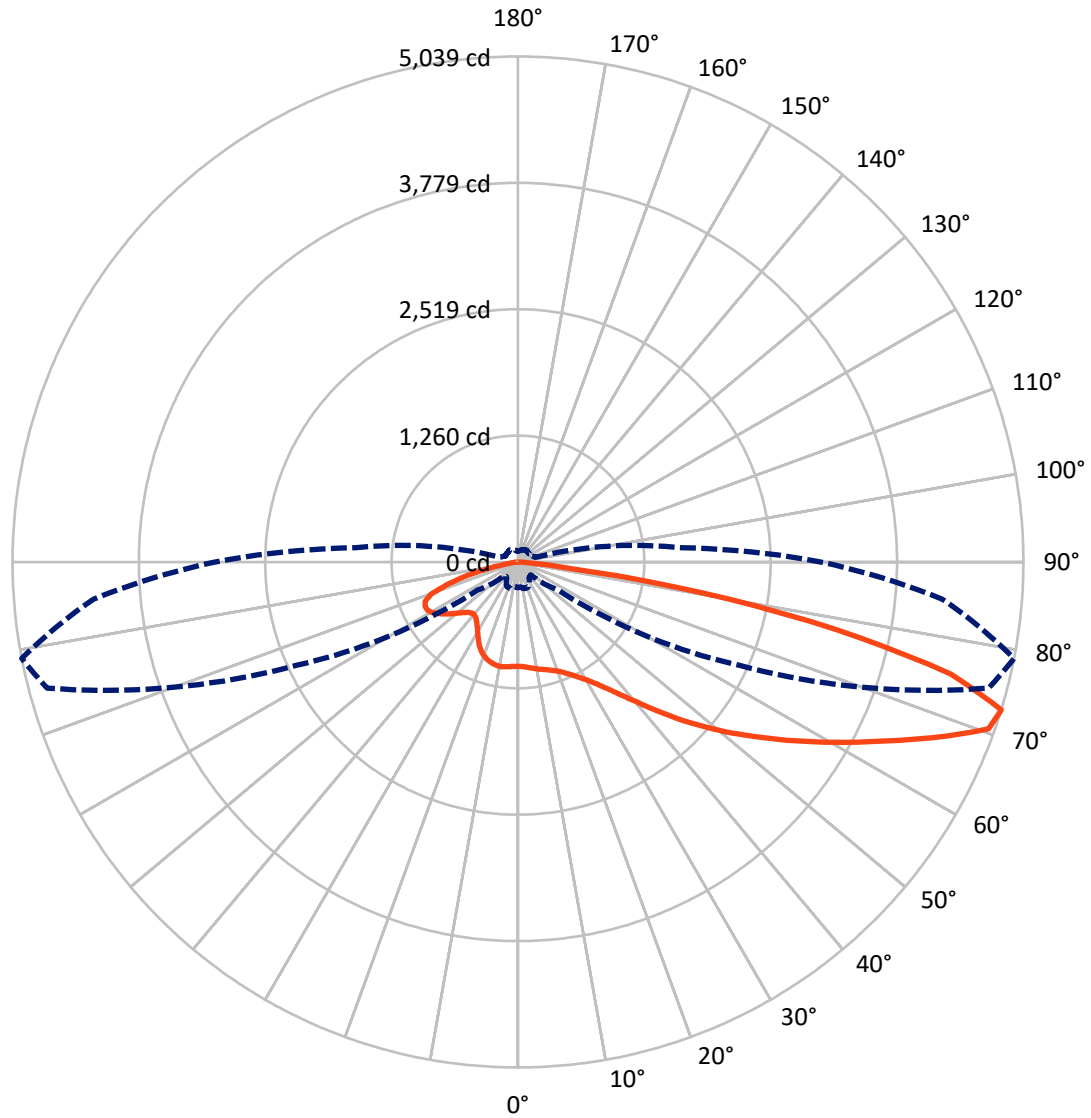
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	1139.9	0.0	1139.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	4040.1	0.0	4040.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	5180.0	0.0	5180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	1.8
10°-20°	246.8	4.8
20°-30°	398.2	7.7
30°-40°	597.6	11.5
40°-50°	847.8	16.4
50°-60°	1070.6	20.7
60°-70°	1087.4	21.0
70°-80°	741.1	14.3
80°-90°	96.2	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°	5180.0	100.0
0°-180°	5180.0	100.0

Coefficient of Utilization

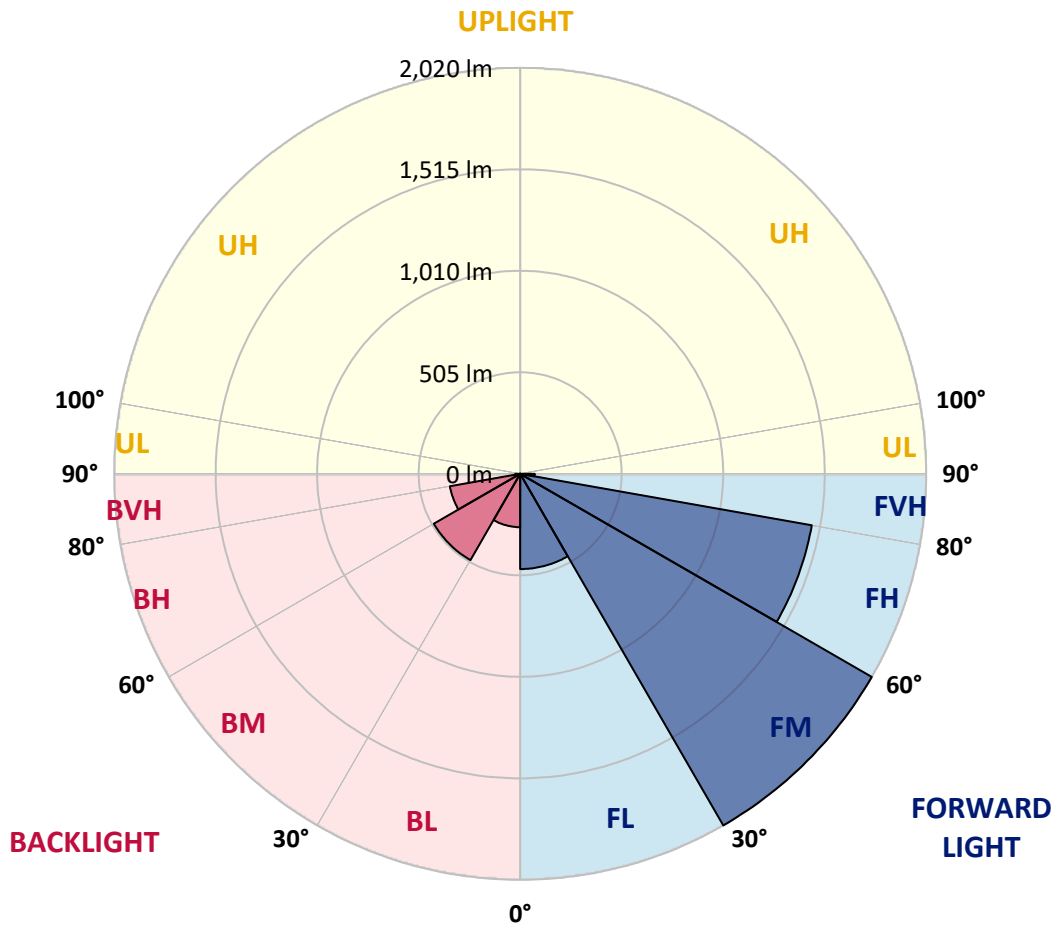


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.8	9.1			
FM (30°-60°)	2020.3	39.0			
FH (60°-80°)	1473.5	28.4			G1/1800
FVH (80°-90°)	72.4	1.4			G1/100
BL (0°-30°)	265.5	5.1	B1/500		
BM (30°-60°)	495.7	9.6	B1/1000		
BH (60°-80°)	354.9	6.9	B1/500		G1/500
BVH (80°-90°)	23.7	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°	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8
2.5°	1040.4	1035.5	1038.5	1037.4	1038.7	1040.4	1040.9	1041.8	1044.5	1044.2
5°	1038.2	1033.3	1037.4	1036.0	1039.6	1043.4	1046.7	1049.7	1054.1	1056.0
7.5°	1033.5	1030.2	1034.4	1038.5	1045.0	1050.8	1055.5	1062.3	1068.6	1069.7
10°	1006.4	1003.9	1013.5	1024.2	1042.3	1057.9	1068.1	1076.0	1082.9	1083.9
12.5°	978.2	975.2	985.9	1000.4	1029.7	1057.9	1079.3	1089.7	1095.7	1099.3
15°	973.5	971.1	977.1	989.7	1014.1	1050.5	1087.0	1106.1	1111.4	1115.5
17.5°	996.0	991.3	993.8	998.2	1012.4	1043.7	1093.0	1124.8	1132.7	1137.1
20°	1048.1	1041.5	1037.6	1028.9	1026.4	1044.8	1092.4	1147.2	1157.7	1163.1
22.5°	1117.4	1113.0	1104.8	1082.6	1058.5	1058.2	1102.9	1176.0	1195.5	1200.7
25°	1201.2	1194.6	1184.2	1154.1	1107.8	1084.8	1120.4	1212.7	1245.3	1246.7
27.5°	1297.7	1287.8	1273.6	1233.8	1171.4	1126.4	1147.2	1254.9	1302.6	1302.1
30°	1399.3	1389.5	1374.4	1326.2	1247.5	1182.6	1184.5	1300.4	1370.6	1367.5
32.5°	1473.6	1466.2	1463.2	1425.9	1335.2	1248.9	1227.3	1350.8	1454.4	1451.7
35°	1530.6	1521.0	1524.5	1505.6	1430.8	1323.2	1279.6	1410.8	1556.3	1556.1
37.5°	1587.0	1578.5	1581.5	1568.9	1519.3	1417.4	1343.4	1484.3	1682.6	1688.7
40°	1638.5	1629.5	1641.5	1629.8	1588.1	1517.7	1416.0	1567.3	1829.0	1840.5
42.5°	1669.5	1662.4	1682.4	1682.6	1647.8	1602.4	1495.8	1658.8	1998.3	2024.0
45°	1680.2	1677.7	1707.9	1714.2	1700.7	1651.4	1567.6	1758.5	2180.8	2226.8
47.5°	1668.7	1664.0	1705.7	1728.9	1739.6	1674.4	1627.0	1866.5	2367.1	2434.5
50°	1610.6	1601.5	1663.5	1712.5	1750.6	1689.5	1687.0	1991.2	2578.9	2652.6
52.5°	1506.2	1499.3	1569.8	1655.0	1726.5	1696.9	1754.4	2127.3	2780.0	2875.4
55°	1372.7	1363.7	1441.2	1552.5	1666.5	1694.4	1821.8	2279.7	3017.3	3114.0
57.5°	1161.2	1143.1	1241.2	1372.7	1568.7	1691.4	1892.0	2431.2	3258.4	3374.3
60°	852.7	825.8	946.1	1102.0	1377.4	1662.1	1978.8	2601.1	3547.8	3652.2
62.5°	496.5	480.9	559.5	705.0	1038.2	1489.5	2027.6	2798.7	3832.2	3941.8
65°	385.5	381.1	388.0	399.2	577.9	1115.2	1877.2	2991.3	4193.9	4270.6
67.5°	352.6	349.4	352.4	331.3	293.2	621.2	1485.1	3040.0	4581.3	4627.9
70°	313.5	309.6	319.5	301.4	230.7	282.5	959.6	2863.0	4889.6	4977.0
72.5°	255.4	251.0	274.0	265.8	194.3	181.4	482.0	2442.4	4857.2	5038.6
75°	196.2	193.7	221.1	228.0	158.4	142.8	231.3	1815.5	4274.4	4457.2
77.5°	152.3	150.4	164.4	189.3	127.7	110.7	142.2	1151.6	3221.2	3253.2
80°	114.3	108.8	121.7	146.6	99.5	80.8	96.4	671.6	2036.1	1845.7
82.5°	71.5	68.8	79.5	97.8	70.1	55.6	62.7	371.0	816.0	480.6
85°	40.8	39.7	43.3	55.9	38.1	32.1	35.9	163.9	149.1	102.5
87.5°	16.4	15.9	19.7	24.9	14.0	11.8	12.6	39.5	32.9	30.4
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°
1039.8	0°	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8	1039.8
1043.9	2.5°	1042.8	1042.8	1039.0	1033.0	1026.1	1021.8	1014.6	1012.7	1005.3	1003.1
1053.3	5°	1055.5	1053.3	1041.5	1024.5	1001.2	979.8	956.3	941.5	920.6	913.2
1071.6	7.5°	1071.3	1065.3	1045.0	1007.8	959.0	911.1	861.2	823.4	787.2	774.3
1086.7	10°	1085.9	1077.4	1042.8	977.6	893.2	810.2	730.8	675.1	632.9	615.7
1103.4	12.5°	1100.4	1084.8	1028.3	927.5	799.8	687.2	602.5	559.2	533.2	512.4
1117.1	15°	1114.1	1092.2	1005.9	860.4	697.3	583.1	520.6	486.1	465.3	451.6
1137.1	17.5°	1130.0	1098.5	972.2	775.2	599.8	511.0	460.0	439.2	435.1	433.5
1164.5	20°	1152.2	1104.2	927.8	679.8	528.0	453.5	427.2	425.3	425.0	424.2
1197.4	22.5°	1176.0	1111.1	869.1	593.2	466.9	417.6	412.9	409.1	406.6	406.3
1237.1	25°	1204.2	1113.3	795.7	522.2	414.8	400.6	395.1	389.4	387.7	387.7
1282.3	27.5°	1231.6	1105.9	710.2	460.6	385.5	385.0	377.8	375.9	375.7	376.5
1333.8	30°	1259.0	1091.9	625.3	403.6	368.5	368.5	366.1	367.4	368.5	371.3
1404.5	32.5°	1296.0	1077.1	554.3	361.4	353.7	351.0	353.5	356.2	357.3	360.9
1497.4	35°	1350.3	1066.7	497.9	338.4	338.4	334.8	336.2	335.7	333.2	331.5
1609.8	37.5°	1422.1	1066.1	451.3	327.7	325.5	325.0	325.2	321.7	312.1	300.6
1745.7	40°	1508.4	1080.9	415.4	320.3	318.7	322.0	320.3	310.7	284.4	264.4
1912.8	42.5°	1624.3	1123.1	392.4	311.3	316.2	320.3	313.7	280.6	262.8	249.3
2103.2	45°	1760.7	1191.6	380.6	301.7	311.5	316.5	284.7	270.2	255.9	239.8
2310.9	47.5°	1915.3	1277.9	377.8	292.6	301.1	304.1	272.4	265.8	249.6	232.1
2519.7	50°	2083.5	1380.1	385.2	281.9	286.1	275.6	268.2	262.2	245.5	228.2
2733.7	52.5°	2257.5	1492.8	400.0	267.4	271.0	259.5	266.6	261.4	243.0	219.7
2954.8	55°	2428.5	1606.2	414.3	250.4	255.6	245.0	261.9	258.1	231.8	205.5
3190.7	57.5°	2602.2	1719.1	428.3	235.4	240.8	231.0	254.5	249.3	219.2	192.3
3448.3	60°	2782.8	1828.7	434.8	220.8	224.7	218.1	243.3	234.3	205.0	178.9
3701.5	62.5°	2951.8	1919.9	424.2	206.3	208.8	206.0	228.5	216.5	190.7	163.9
3965.3	65°	3121.4	1974.2	391.3	192.1	192.6	191.3	207.7	197.3	174.0	150.7
4196.3	67.5°	3275.1	2004.6	338.9	176.7	175.4	174.8	188.2	176.5	157.8	137.5
4372.0	70°	3307.7	1927.3	258.9	158.6	158.6	157.3	166.9	154.8	140.0	123.6
4246.2	72.5°	3021.1	1621.3	183.9	138.1	140.3	137.5	145.5	135.4	121.9	111.0
3659.6	75°	2436.1	1188.9	133.7	117.0	120.8	116.2	123.6	116.5	104.9	104.7
2521.9	77.5°	1673.9	735.1	97.0	96.4	99.2	93.2	101.7	97.8	87.4	82.7
1097.7	80°	714.3	293.2	70.7	74.5	74.5	69.0	78.9	80.0	71.0	68.8
211.8	82.5°	142.2	83.3	49.6	51.2	48.2	46.6	55.9	61.9	85.5	95.1
63.8	85°	42.7	30.7	29.9	27.9	24.7	24.9	32.9	62.2	76.7	43.8
21.1	87.5°	11.8	7.7	7.9	6.3	5.2	6.9	11.2	47.1	25.8	11.0
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>
1039.8
1006.7
918.7
776.0
619.5
519.2
454.0
434.6
426.9
409.4
389.4
378.7
373.2
363.9
335.4
300.9
263.9
248.8
238.7
230.7
226.3
218.1
204.1
191.8
178.1
163.6
149.1
135.9
123.0
107.7
94.3
77.5
68.8
95.4
37.8
9.3
0.0

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